STR-DH800

SERVICE MANUAL

Ver. 1.0 2009.04

US Model
Canadian Model
AEP Model
UK Model

This receiver incorporates Dolby* Digital and Pro Logic Surround and the DTS** Digital Surround System.

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** Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535; 7,212,872; 7,333,929; 7,392,195; 7,272,567 & other U.S. and worldwide patents issued & pending. DTS is a registered trademark and the DTS logos, Symbol, DTS-HD and DTS-HD Master Audio are trademarks of DTS, Inc. © 1996-2008 DTS, Inc. All Rights Reserved.

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads, both channels driven, from 20 Hz – 20,000 Hz; rated 100 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section (US, Canadian)

Power Output[1)]

Minimum RMS Output Power
(8 ohms, 20 Hz – 20 kHz, THD 0.09%)
100 W + 100 W

Stereo Mode Output Power
(8 ohms, 1 kHz, THD 1%)
110 W + 110 W

Surround Mode Output Power[2)]
(8 ohms, 1 kHz, THD 10%)
150 W per channel

[1)]Measured under the following conditions:
120 V AC, 60 Hz

[2)]Reference power output for front, center, surround and surround back speakers. Depending on the sound field settings and the source, there may be no sound output.

Amplifier section (AEP, UK)

Models of area code CEL, CEK[1)]

Minimum RMS Output Power
(8 ohms, 20 Hz – 20 kHz, THD 0.09%)
85 W + 85 W

Stereo Mode Output Power
(8 ohms, 1 kHz, THD 1%)
100 W + 100 W

Surround Mode Output Power[2)]
(8 ohms, 1 kHz, THD 10%)
140 W per channel

[1)]Measured under the following conditions:

Area code	Power requirements
CEL, CEK	230 V AC, 50 Hz

[2)]Reference power output for front, center, surround and surround back speakers. Depending on the sound field settings and the source, there may be no sound output.

Frequency response	
Analog	10 Hz – 70 kHz, +0.5/–2 dB (with sound field and equalizer bypassed)
Input	
Analog	Sensitivity: 500 mV/50 kohms S/N[3)]: 96 dB (A, 500 mV[4)])
Digital (Coaxial)	Impedance: 75 ohms S/N: 100 dB (A, 20 kHz LPF)
Digital (Optical)	S/N: 100 dB (A, 20 kHz LPF)
Output (analog)	
AUDIO OUT	Voltage: 500 mV/10 kohms
SUBWOOFER	Voltage: 2 V/1 kohm
Equalizer	
Gain levels	±10 dB, 1 dB step

[3)]INPUT SHORT (with sound field and equalizer bypassed).
[4)]Weighted network, input level.

FM tuner section

Tuning range	87.5 MHz – 108.0 MHz
Antenna (aerial)	FM wire antenna (aerial)
Antenna (aerial) terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz

– Continued on next page –

MULTI CHANNEL AV RECEIVER

9-889-464-01
2009D05-1
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Sony Corporation
Audio&Video Business Group
Published by Sony Techno Create Corporation

SONY®

AM tuner section

Tuning range

Area code	Tuning scale	
	10 kHz step	9 kHz step
U, CA	530 kHz – 1,710 kHz	531 kHz – 1,710 kHz
CEL, CEK	–	531 kHz – 1,602 kHz

Antenna (aerial) Loop antenna

Intermediate frequency
450 kHz

Video section

Inputs/Outputs

Video: 1 Vp-p, 75 ohms

COMPONENT VIDEO:
Y: 1 Vp-p, 75 ohms
PB/CB: 0.7 Vp-p, 75 ohms
PR/CR: 0.7 Vp-p, 75 ohms
80 MHz HD Pass Through

General

Power requirements

Area code	Power requirements
U, CA	120 V AC, 60 Hz
CEL, CEK	230 V AC, 50/60 Hz

Power output (DIGITAL MEDIA PORT)
DC OUT: 5V, 0.7 A MAX

Power consumption

Area code	Power consumption
U, CA, CEL, CEK	240 W

Power consumption (during standby mode)
0.9 W
(When "CTRL:HDMI" in HDMI menu is set to "CTRL OFF" and "S-AIR STBY" in S-AIR menu is set to "STBY OFF)

Dimensions (width/height/depth) (Approx.)
17 × 6 1/4 × 12 3/4 inches (430 × 157.5 × 322 mm) including projecting parts and controls

Mass (Approx.) 18 lb 5 oz (8.3 kg)

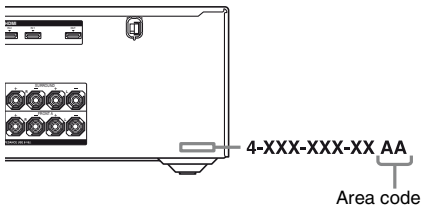
Supplied accessories

Operating instructions
Quick Setup Guide (1)
FM wire antenna (aerial) (1)
AM loop antenna (aerial) (1)
Remote commander (RM-AAP043) (1)
R6 (size-AA) batteries (2)
Optimizer microphone (ECM-AC2) (1)

Design and specifications are subject to change without notice.

About area codes

The area code of the receiver you purchased is shown on the lower right portion of the rear panel (see the illustration below).



Any differences in operation, according to the area code, are clearly indicated in the text, for example, "Models of area code AA only".

SAFETY-RELATED COMPONENT WARNING!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

NOTES ON CHIP COMPONENT REPLACEMENT

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

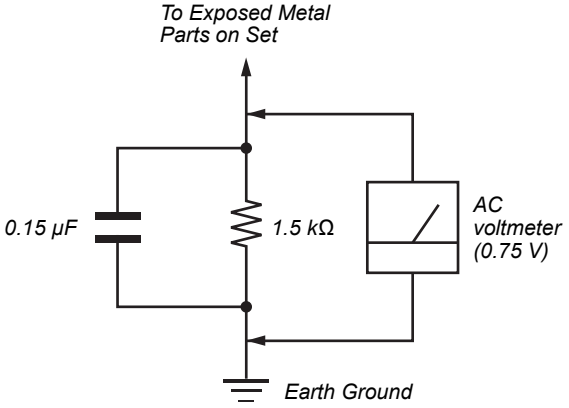


Fig. A. Using an AC voltmeter to check AC leakage.

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SERVICING NOTES

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UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(**Caution:** Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

NOTE OF REPLACING THE IC2022 ON THE DIGITAL BOARD

IC2022 on the DIGITAL board cannot exchange with single. When this part on the DIGITAL board is damaged, exchange the entire mounted board.

NOTE OF REPLACING THE IC3506 AND IC3508 ON THE HDMI BOARD

IC3506 and IC3508 on the HDMI board cannot exchange with single. When these parts on the HDMI board are damaged, exchange the entire mounted board.

NOTE OF REPLACING THE IC5021 ON THE DSP BOARD

IC5021 on the DSP board cannot exchange with single. When this part on the DSP board is damaged, exchange the entire mounted board.

Error messages

If there is a malfunction, the display shows a message. You can check the condition of the system by the message. See the following table to solve the problem. If any problem persists, consult your nearest Sony dealer.
If an error message appears while you perform Auto Calibration, see "When error codes appear" to solve the problem.

PROTECTOR

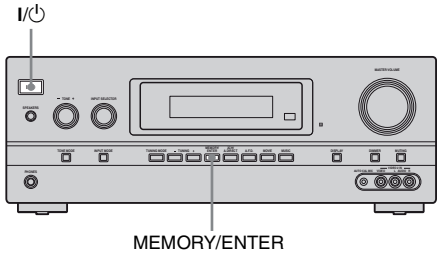
Irregular current is output to the speakers, or the upper panel of the receiver is covered with something. The receiver will automatically turn off after a few seconds.
Check the speaker connection and turn on the power again.

If you are unable to remedy the problem using the troubleshooting guide

Clearing the receiver's memory may remedy the problem. However, note that all memorized settings will be reset to their factory settings and you will have to readjust all settings on the receiver.

Performing initial setup operations

Before using the receiver for the first time, initialize the receiver by performing the following procedure. This procedure can also be used to return settings you have made to their factory defaults. Be sure to use the buttons on the receiver for this operation.



1 Press I/⏻ to turn off the receiver.

2 Hold down I/⏻ for 5 seconds.

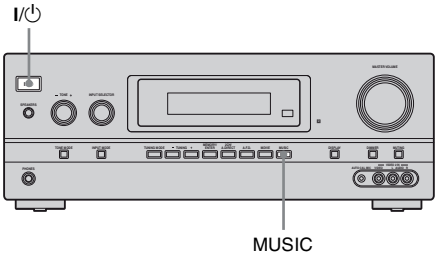
After "Clear All" appears on the display for a while, "Press ENT" appears.

3 Press MEMORY/ENTER.

After "CLEARING" appears on the display for a while, "CLEARED" appears.
All the settings you have changed or adjusted are reset to the initial settings.

Resetting sound fields to the initial settings

Be sure to use the buttons on the receiver for this operation.



1 Press I/⏻ to turn off the receiver.

2 While holding down MUSIC, press I/⏻.

"S.F. CLEAR" appears on the display and all sound fields are reset to their initial setting.

When error codes appear

Check the problem of the error and perform Auto Calibration again.

Display	Explanation
E - ■■■*1 : 31	SPEAKERS is set to OFF. Set it to others and perform the measurement again.
E - ■■■*1 : 32	None of the speakers were detected. Make sure that the optimizer microphone is connected properly and perform the measurement again. If the optimizer microphone is connected properly but the error code appears, the optimizer microphone cable may be damaged or improperly connected.
E - ■■■*1 : 33	• None of the front speakers are connected or only one front speaker is connected. • The optimizer microphone is not connected. • Either the left or right surround speakers is not connected. • Surround back speakers are connected even though surround speakers are not connected. Connect the surround speaker(s) to the SURROUND terminals. • The surround back speaker is connected only to the SPEAKERS SURROUND BACK/BI-AMP/ FRONT B R terminals. When you connect only one surround back speaker, connect it to the SPEAKERS SURROUND BACK/BI-AMP/ FRONT B L terminals.

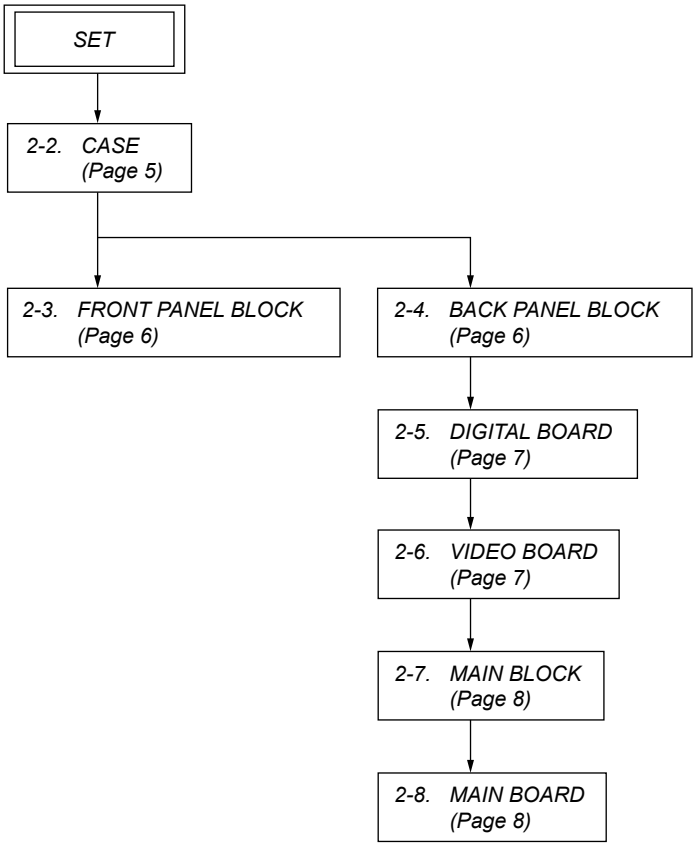
*1 ■■■ represent a speaker channel

F	Front
S	Surround
SB	Surround back

SECTION 2
DISASSEMBLY

- This set can be disassembled in the order shown below.

2-1. DISASSEMBLY FLOW


SET
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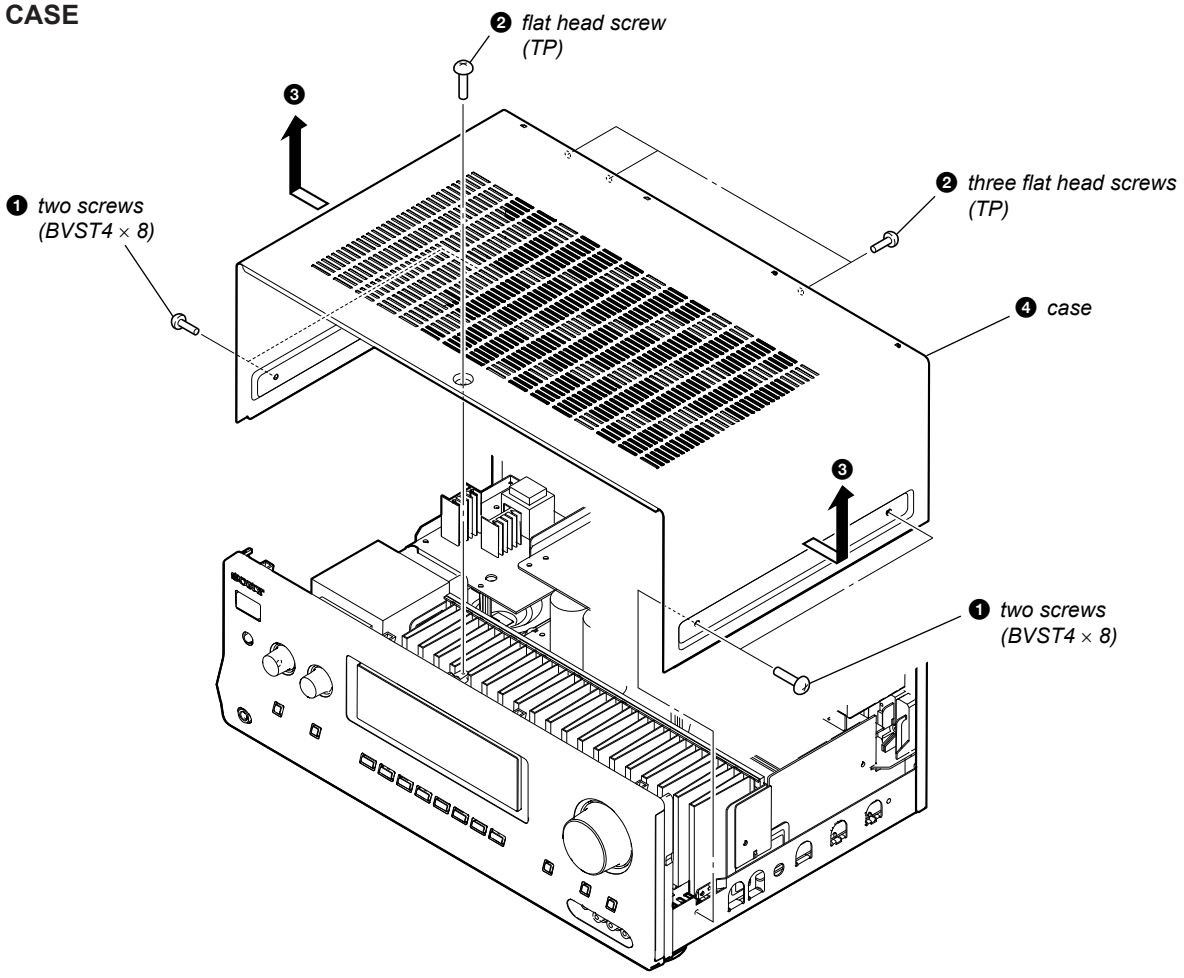
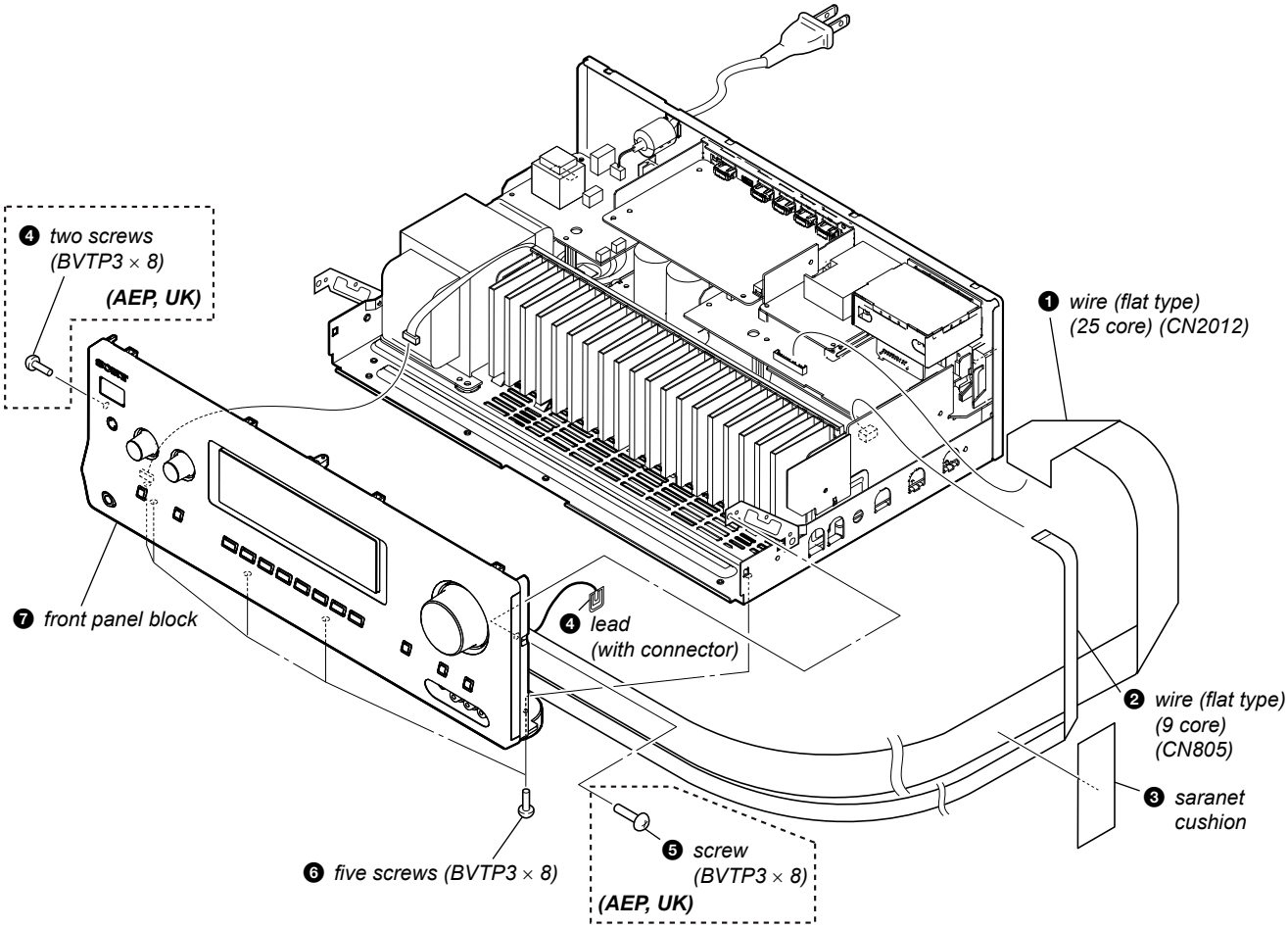
Note: Follow the disassembly procedure in the numerical order given.

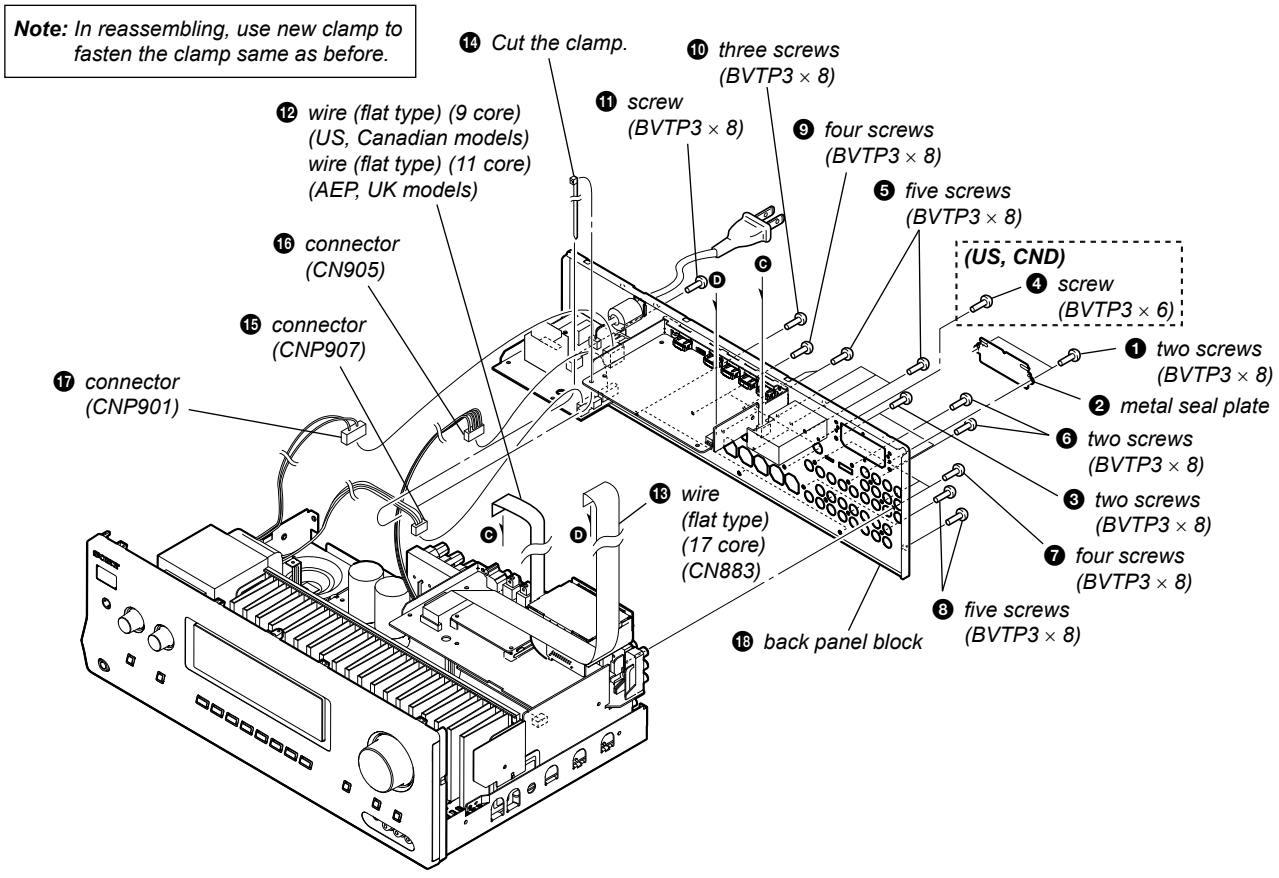
2-2. CASE



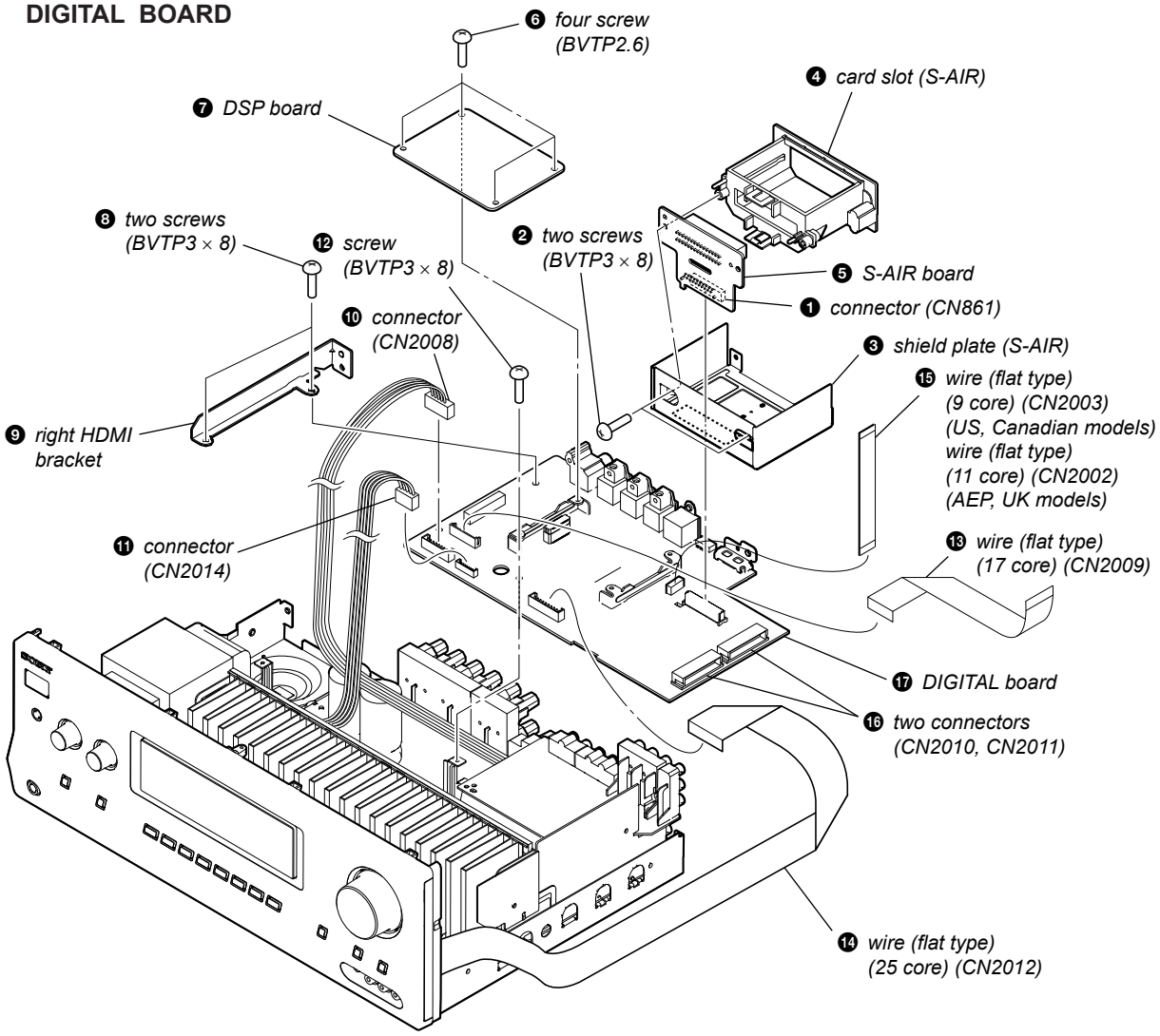
2-3. FRONT PANEL BLOCK


❹ two screws (BVTP3 × 8)
(AEP, UK)
❶ wire (flat type) (25 core) (CN2012)
❼ front panel block
❹ lead (with connector)
❷ wire (flat type) (9 core) (CN805)
❸ saranet cushion
❻ five screws (BVTP3 × 8)
❺ screw (BVTP3 × 8)
(AEP, UK)

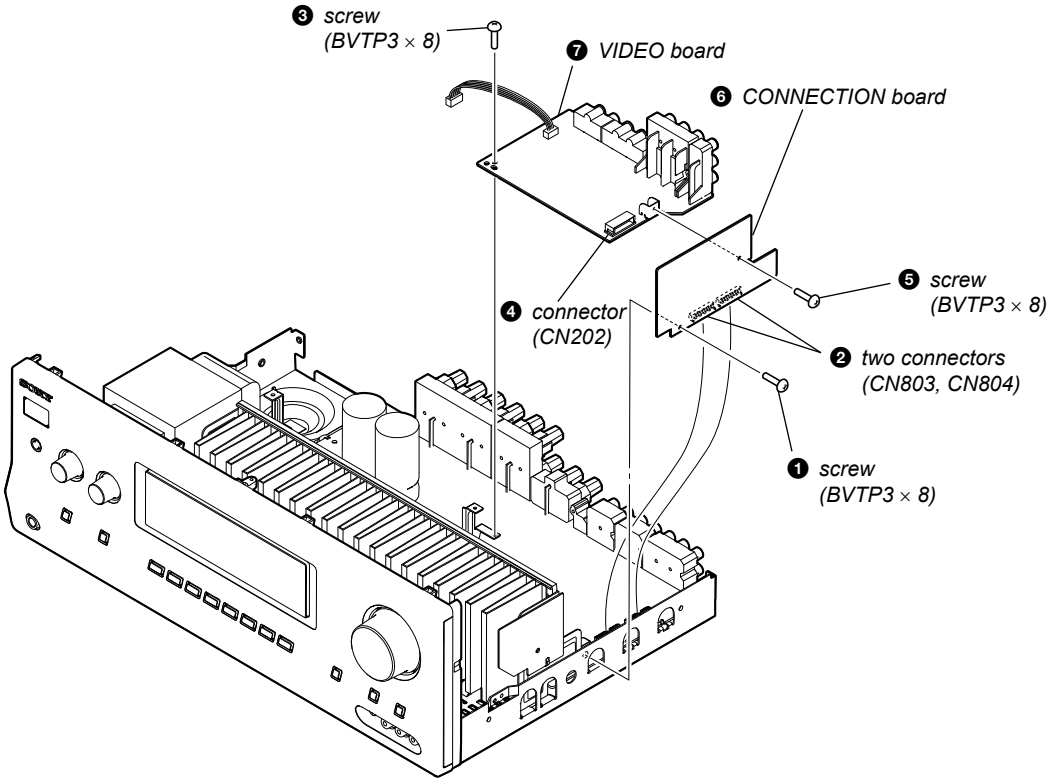
2-4. BACK PANEL BLOCK


Note: In reassembling, use new clamp to fasten the clamp same as before.
⓮ Cut the clamp.
⓾ three screws (BVTP3 × 8)
⓫ screw (BVTP3 × 8)
⓬ wire (flat type) (9 core) (US, Canadian models) wire (flat type) (11 core) (AEP, UK models)
❾ four screws (BVTP3 × 8)
❺ five screws (BVTP3 × 8)
⓰ connector (CN905)
(US, CND)
❹ screw (BVTP3 × 6)
⓯ connector (CNP907)
⓱ connector (CNP901)
❶ two screws (BVTP3 × 8)
❷ metal seal plate
❻ two screws (BVTP3 × 8)
❸ two screws (BVTP3 × 8)
⓭ wire (flat type) (17 core) (CN883)
❼ four screws (BVTP3 × 8)
❽ five screws (BVTP3 × 8)
⓲ back panel block

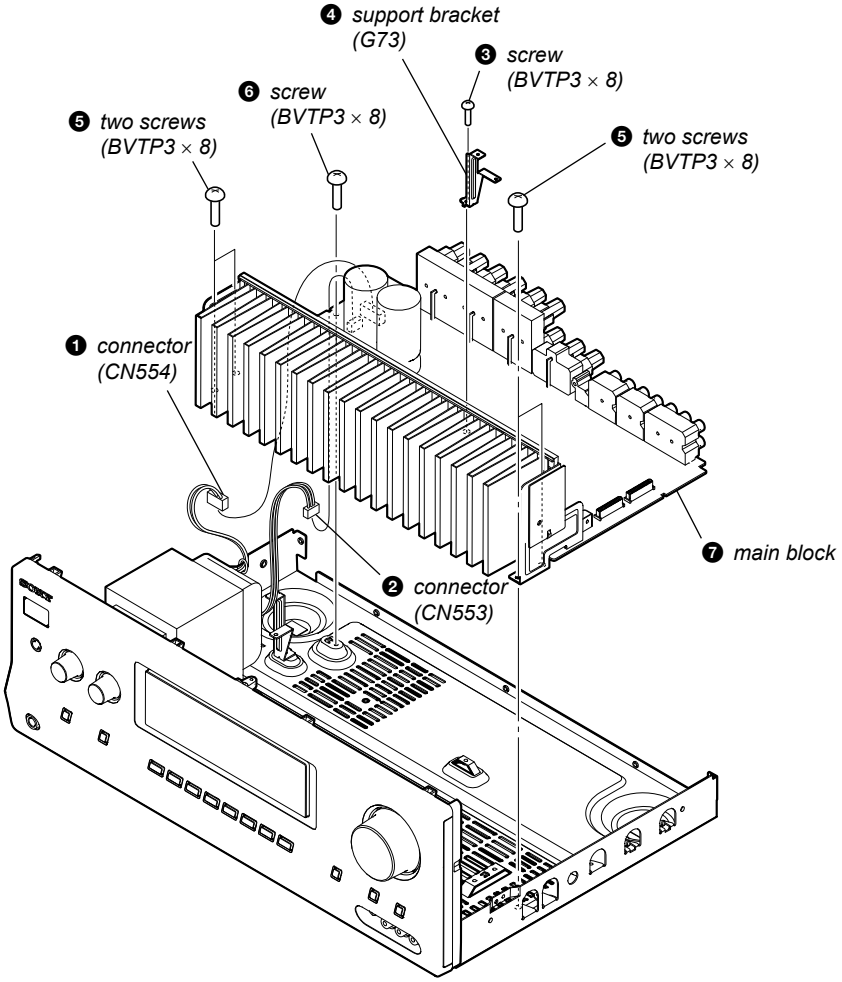
2-5. DIGITAL BOARD


❻ four screw (BVTP2.6)
❹ card slot (S-AIR)
❼ DSP board
❽ two screws (BVTP3 × 8)
⓬ screw (BVTP3 × 8)
❷ two screws (BVTP3 × 8)
❺ S-AIR board
❶ connector (CN861)
❿ connector (CN2008)
❸ shield plate (S-AIR)
⓯ wire (flat type) (9 core) (CN2003) (US, Canadian models) wire (flat type) (11 core) (CN2002) (AEP, UK models)
❾ right HDMI bracket
⓫ connector (CN2014)
⓭ wire (flat type) (17 core) (CN2009)
⓱ DIGITAL board
⓰ two connectors (CN2010, CN2011)
⓮ wire (flat type) (25 core) (CN2012)

2-6. VIDEO BOARD

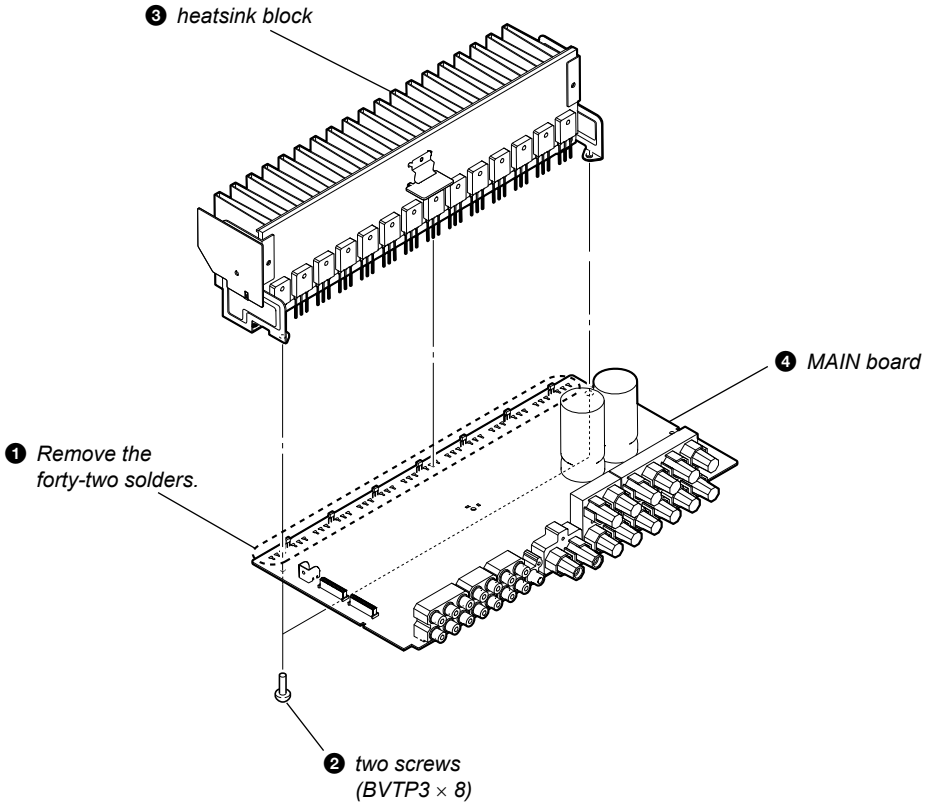

❸ screw (BVTP3 × 8)
❼ VIDEO board
❻ CONNECTION board
❺ screw (BVTP3 × 8)
❹ connector (CN202)
❷ two connectors (CN803, CN804)
❶ screw (BVTP3 × 8)

2-7. MAIN BLOCK


❹ support bracket (G73)
❸ screw (BVTP3 × 8)
❻ screw (BVTP3 × 8)
❺ two screws (BVTP3 × 8)
❺ two screws (BVTP3 × 8)
❶ connector (CN554)
❷ connector (CN553)
❼ main block

2-8. MAIN BOARD

Note: *This illustration sees the MAIN board from back side.*

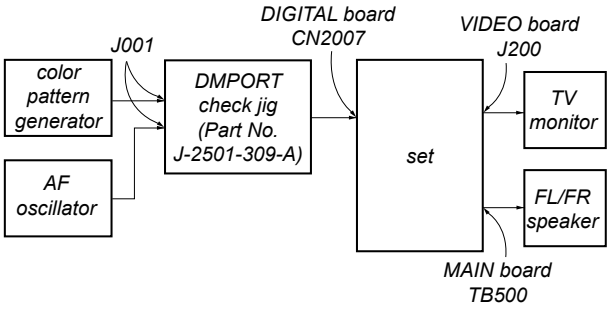


SECTION 3
TEST MODE

DIGITAL MEDIA PORT TEST

Procedure:

1. Connect the DMPORT check jig (Part No. J-2501-309-A) with the DMPORT jack (CN2007) on the DIGITAL board.
2. While pressing the [TONE MODE] and [MUSIC] buttons, press the [I/⏻] button to turn on the main power.
3. The message "DMPORT T." appears on the fluorescent indicator tube and enter the digital media port test mode. (Confirmation of communication line)
   When "NO DETECT", "UART NG" and "UART TO" are displayed on the fluorescent indicator tube, confirm the connection of the DMPORT check jig, and enter the mode again.
   Each time the [⏭] button on the remote commander is pressed, the connect check and adaptor version check are switched.
   Press the [⏮] button on the remote commander, connected confirmation of the DMPORT check jig is done again.
4. To a pin-jack of the DMPORT check jig input information relevant to audio signal (sine-wave 1.0 Vrms) and composite video signal. (white 100% 1.0 Vp-p, color bar, etc.)
5. Confirm the output of speakers and monitor TV. (Confirmation of analog signal)
6. To release from this mode, press the [■] button on the remote commander.



FLUORESCENT INDICATOR TUBE PATTERN CHECK MODE

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

1. While pressing the [DISPLAY] and [DIMMER] buttons, press the [I/⏻] button to turn on the main power.
2. All segments and all LEDs turn on. Each time [DISPLAY] button to change as follows all on, test pattern 1, test pattern 2, all off, all on in this order.

MEMORY CLEARING MODE

All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the [TONE MODE] and [MUTING] buttons, press the [I/⏻] button to turn on the main power.
2. The message "CLEARING" appears and the memories are reset to the default values.
3. When done, the message "CLEARED" appears.

SOUND FIELD CLEAR MODE

The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the [MUSIC] button, press the [I/⏻] button to turn on the main power.
2. The message "S. F. CLEAR" appears and initialization is performed.

TUNER AM STEP CHANGE MODE (US and Canadian models only)

Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

Procedure:

1. Press the [I/⏻] button to turn on the main power.
2. Turn the [INPUT SELECTOR] dial to select the "AM TUNER".
3. Press the [POWER] button to turn off the main power.
4. While pressing the [TUNING MODE] button, press the [I/⏻] button to turn on the main power.
5. Either the message "AM9k Step" or "AM10k Step" appears, select the desired step.

HISTORY MODE

The state that the set is used is memorized.

Procedure:

1. While pressing the [INPUT MODE] and [MUSIC] buttons, press the [POWER] button to turn on the power and "HISTORY" is displayed.
2. Each time the [⬆]/[⬇] buttons of remote commander is pressed, the item is switched in order as follows.

Items	Display
Protector count	COUNT xx
Total single power on time	S xxxxxHxxM
Sound field	xxxxxxxxxx
Input function	xxxxxxxxxx
Input mode	xxxxxxxxxx
Digital select	xxxxxxxxxx
Stream information	xxxxxxxxxx
Signal configuration	CONF xxxxx
Headphones	HEADPH xxx
Volume	VOL xx
Bass	BASS xxxdB
Treble	TREB xxxdB
Level FL/FR	FL/R xxxxx
Level SL/SR	SL/R xxxxx
Level CT/SW	C/SW xxxxx
Level BL/BR	BL/R xxxxx
Total power on time	T xxxHxxM
Muting	MUTING xxx
Power on counter (Rebox test mode)	REBOX xx
Protector type	PROT xxxx
Temperature record	TEMP xxxxc

SOFTWARE VERSION CHECK

Procedure:

1. While pressing the [TONE MODE] and [DISPLAY] buttons, press the [I/⏻] button to turn on the main power.
2. The message "H8 ** Mx.xx" appears. This is main micro-processor version.
   **: destination, x.xx: software version
3. Press the [DISPLAY] button on the remote commander, HDMI micro-processor version or DSP firmware version is changed.
   HDMI micro-processor version "H. Ver x.xx" appears.
   DSP firmware version "S.Ver x.xx" appears.

PROTECTOR OFF MODE

This mode switching on/off the protector to investigate the cause of the protector.

Procedure:

1. While pressing the [INPUT MODE] and [A.F.D.] buttons, press the [I/⏻] button to turn on the main power.
2. Either the message "PROT ON" or "PROT OFF" appears.

SPECIAL MENU MODE

Procedure:

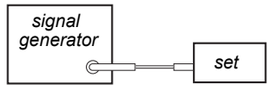
1. Press the [I/⏻] button to turn on the main power, then while pressing the [INPUT MODE] button, press the [A.F.D.], [2CH/A. DIRECT], [MUSIC], [MOVIE] button in order, the message "SPECIALIZE" appears.
2. Press the [↑]/[↓] buttons on the remote commander, the message "< SPECIAL>" appears.
3. Press the [→] button on the remote commander, the item is appears.
4. Each time the [↑]/[↓] buttons on the remote commander is pressed, the item is switched in order as follows.
   Some items can change the content. Display the cursor by pressing the [→] button on the remote commander, and changing the content by pressing the [↑]/[↓] buttons on the remote commander, and fix the content by pressing the [←] button on the remote commander when you want to change the content of the item.
5. To release from this mode, while pressing the [INPUT MODE] button, press the [A.F.D.], [2CH/A. DIRECT], [MUSIC], [MOVIE] button in order again, the message "SPCL OFF" appears.

Items	Display	Remark
Model name	MODEL	When [→] button on the remote commander is pressed, the message "STR-DH800" is appears
Region destination	REGION	When [→] button on the remote commander is pressed, the message "G83 ** XXX" is appears **: Destination XXX: FIX or AUT
Software version	VERSION	When [→] button on the remote commander is pressed, the message "H8 ** MX.XX" (main micro-processor version), "H.Ver X.XX" (HDMI micro-processor version) or "S.Ver X.XX" (DSP firmware version) is appears **: destination, X.XX: software version Display is switching with [↑]/[↓] buttons on the remote commander
HD update	HD UPDATE	When [→] button on the remote commander is pressed, the message "UPDATE ON" or "UPDATE OFF" is appears
RAM watch	RAM WATCH	When [→] button on the remote commander is pressed, the message "XXXXXXXXX" is appears XXXXXXXXX: Various internal RAM (Switching with [↑]/[↓] buttons on the remote commander)
IO watch	IO WATCH	When [→] button on the remote commander is pressed, the message "P*** XXXXX" is appears ***: IO pin addres, XXXXX: status
Thermal watch	THERMAL	When [→] button on the remote commander is pressed, the message "TEMP CH1" or "TEMP CH2" is appears (Switching with [↑]/[↓] buttons on the remote commander) To next, When [→] button on the remote commander is pressed, the message "DHex: XXXX", "Volt: XXXX" or "Temp: XXXX" is appears (Switching with [↑]/[↓] buttons on the remote commander) DHex: software AD reading (Hexadecimel value) Volt: analog voltage value (volt) Temp: temperature (degree celsius)
Limiter watch	LIMITER	When [→] button on the remote commander is pressed, the message "DHex: XXXX" or "Volt: XXXX" is appears (Switching with [↑]/[↓] buttons on the remote commander) DHex: software AD reading (Hexadecimel value) Volt: analog voltage value (volt)
Mic test (Speaker out)	SP OUT	When [→] button on the remote commander is pressed, the message "SOURCE" or "MIC IN" is appears SOURCE: normal mode, MIC IN: mode that output audio from mic input
FL display test	FL CHECK	When [→] button on the remote commander is pressed, all segments turn on Each time [DISPLAY] button to change as follows all on → test pattern 1 → test pattern 2 → all off → all on
FL display fonts test	FL FONT	When [→] button on the remote commander is pressed, the message "0X**=X" is appears **: 20 to FF, X: character
FL display duty change (Dark out dimmer)	FL DUTY	When [→] button on the remote commander is pressed, the message "XXX" is appears XXX: Duty value of FL display (5% to 95%)
Audio swap	SWAP MODE	When [→] button on the remote commander is pressed, the message "XXXXXXXXX" is appears XXXXXXXXX: audio swap mode Switching with [↑]/[↓] buttons on the remote commander
DSP halt	DSP HALT	When [→] button on the remote commander is pressed, the message "HALT ON" or "HALT OFF" is appears
Super reset	RESET	Not used for the servicing When EEPROM initialization is required, perform the "memory clearing mode"

Items	Display	Remark
EEPROM debug	EEPROM	When [➡] button on the remote commander is pressed, the message "**** XX" is appears ****: EEPROM address, XX: EEPROM data
Protector disable mode	PROTECTOR	When [➡] button on the remote commande is pressed, the message "PROT ON" or "PROT OFF" is appears
EVOL data watch	EVOL DATA	When [➡] button on the remote commander is pressed, the message "** XXXX" is appears **: speaker channel, XXXX: EVOL data Switching with [⬆]/[⬇] buttons on the remote commander
DAC mute watch	DAC MUTE	When [➡] button on the remote commander is pressed, the message "U XXXXXXXX" or "L XXXXXXXX" is appears (Switching with [⬆]/[⬇] buttons on the remote commander) XXXXXXXX: Display of module information to demand muting in system controller

SECTION 4
ELECTRICAL CHECK

FM AUTO STOP CHECK



Procedure:

1. Turn on the set.
2. Input the following signal from signal generator to FM antenna input directly.

Carrier frequency : A = 87.5 MHz, B = 98 MHz, C = 108 MHz
Deviation : 75 kHz
Modulation : 1 kHz
ANT input : 35 dBu (EMF)

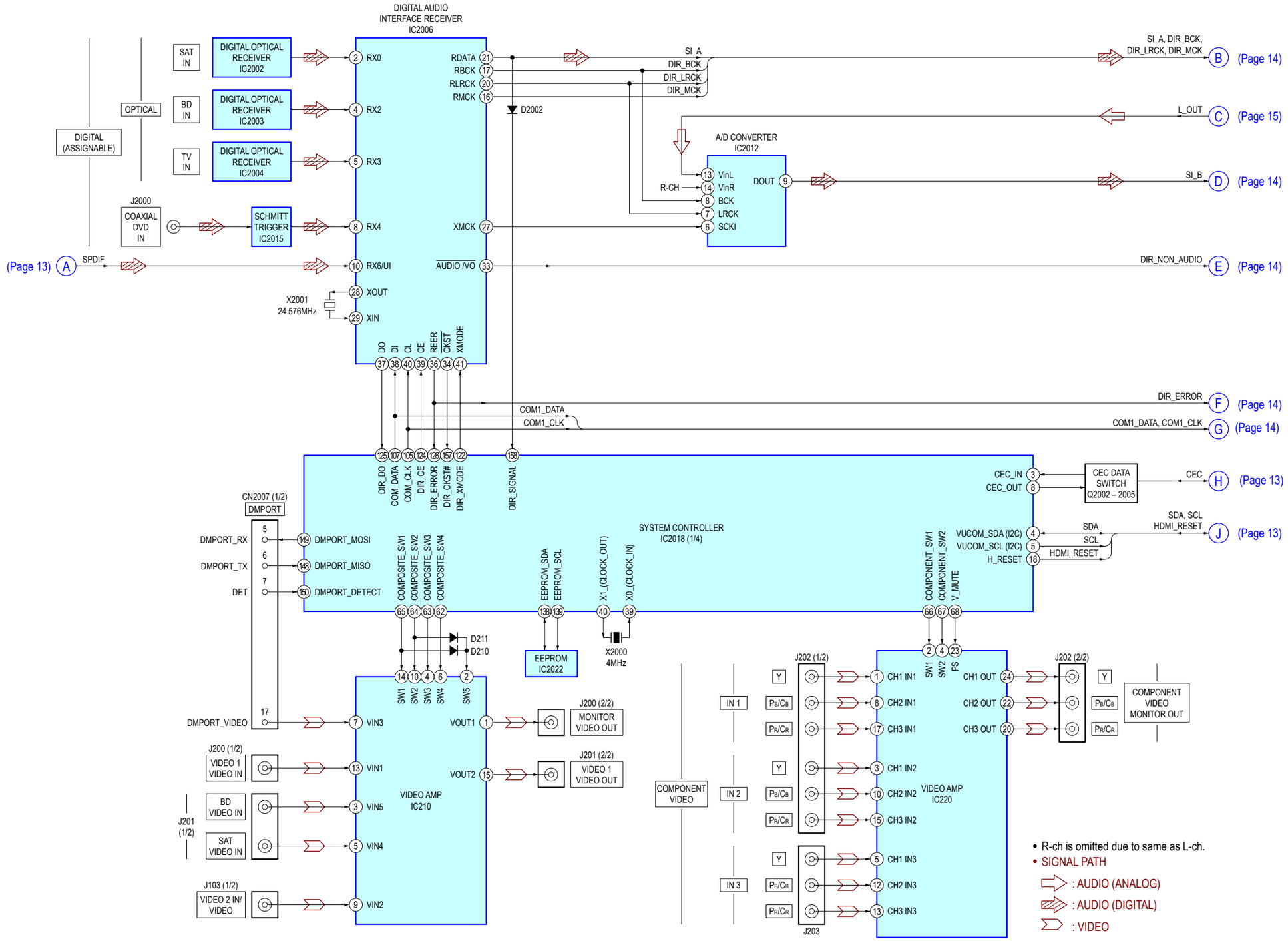
Note: Use 75 ohm coaxial cable to connect signal generator and the set.
You cannot use video cable for checking.
Use signal generator whose output impedance is 75 ohm.

3. Set to FM tuner function and scan the input FM signal with automatic scanning.
4. Confirm that input frequency of A, B and C are detected and automatic scanning stops.

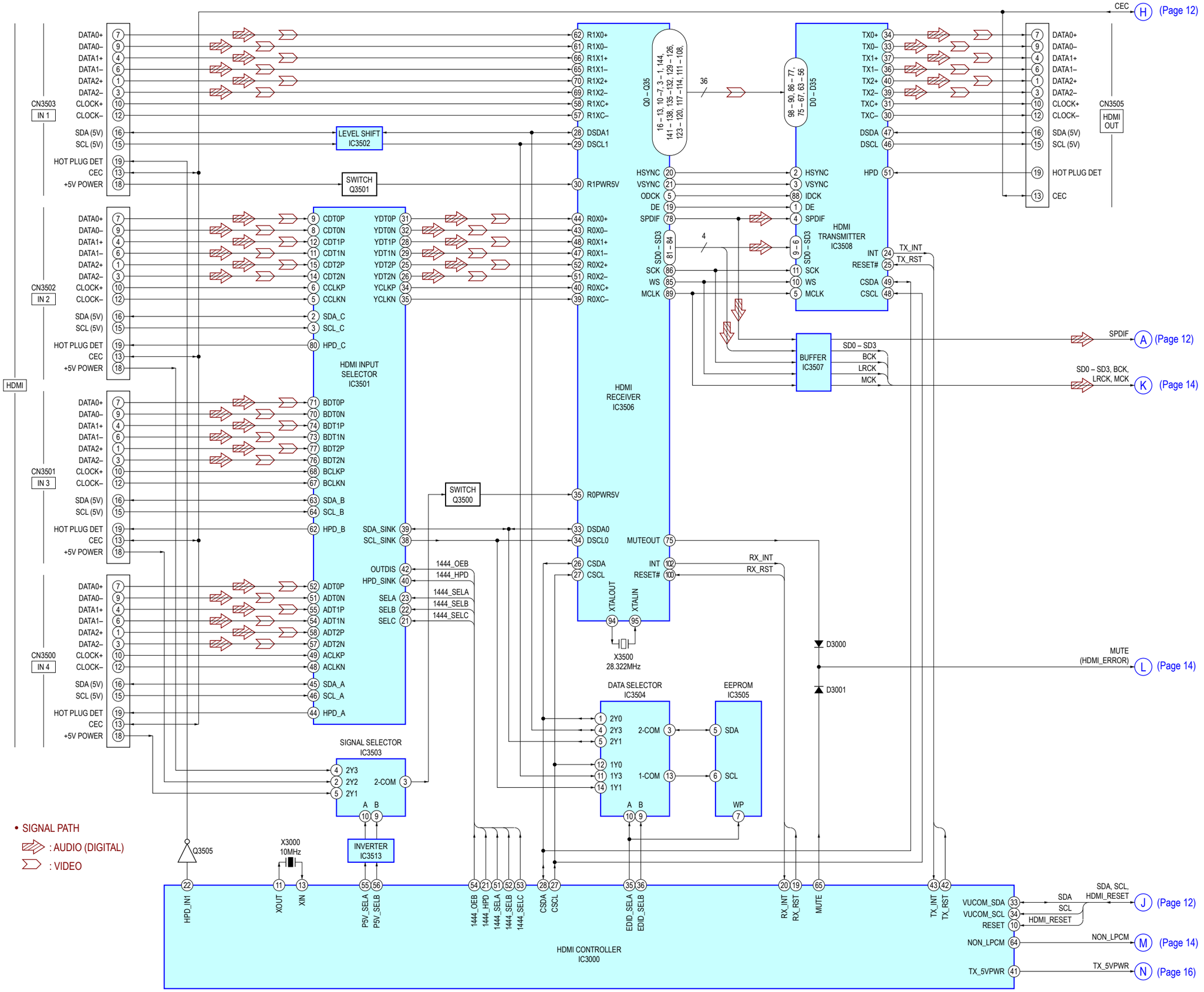
When the station signal is received in good condition, automatic scanning stops.

SECTION 5
DIAGRAMS

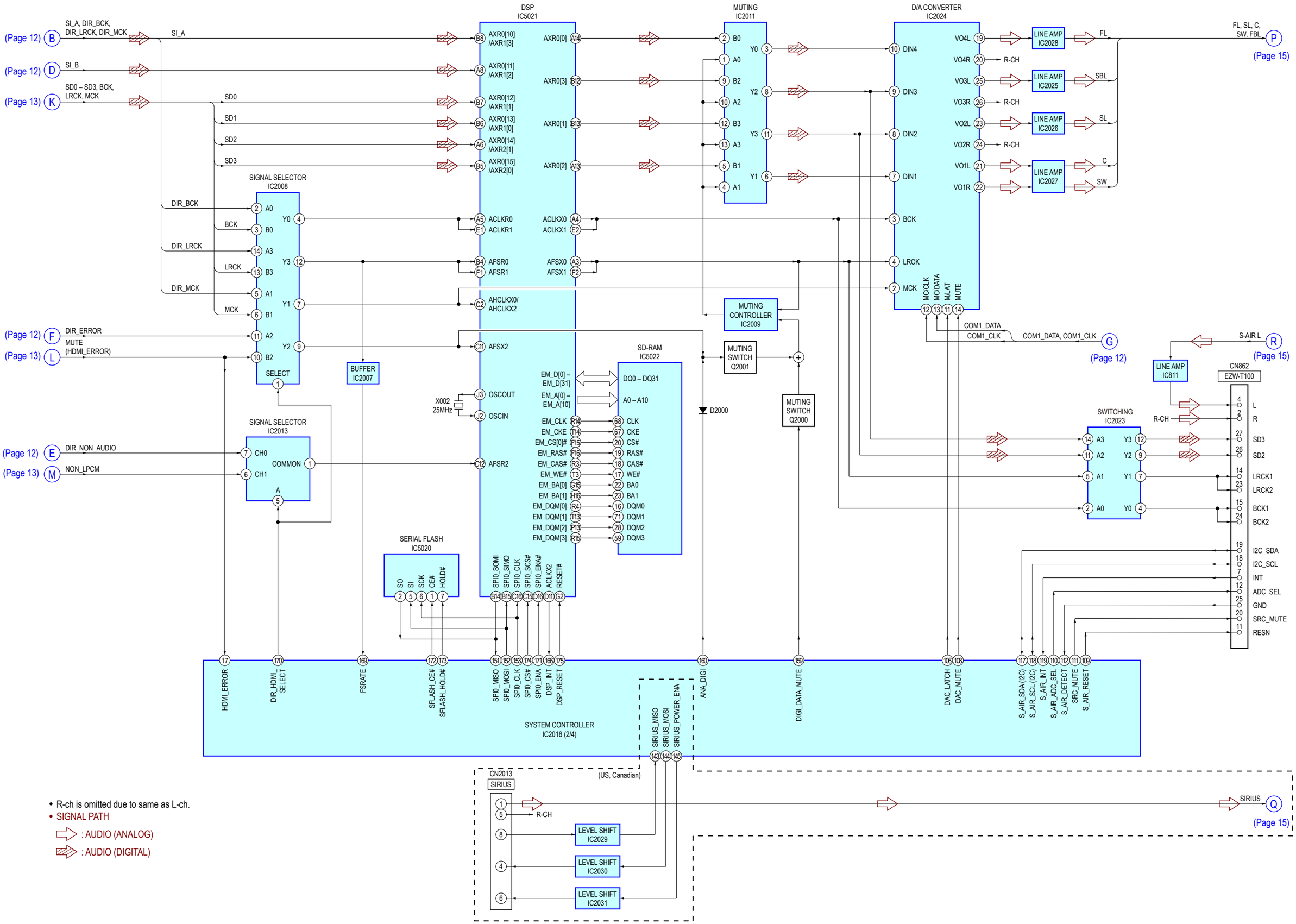
5-1. BLOCK DIAGRAM - MAIN Section -



5-2. BLOCK DIAGRAM - HDMI Section -

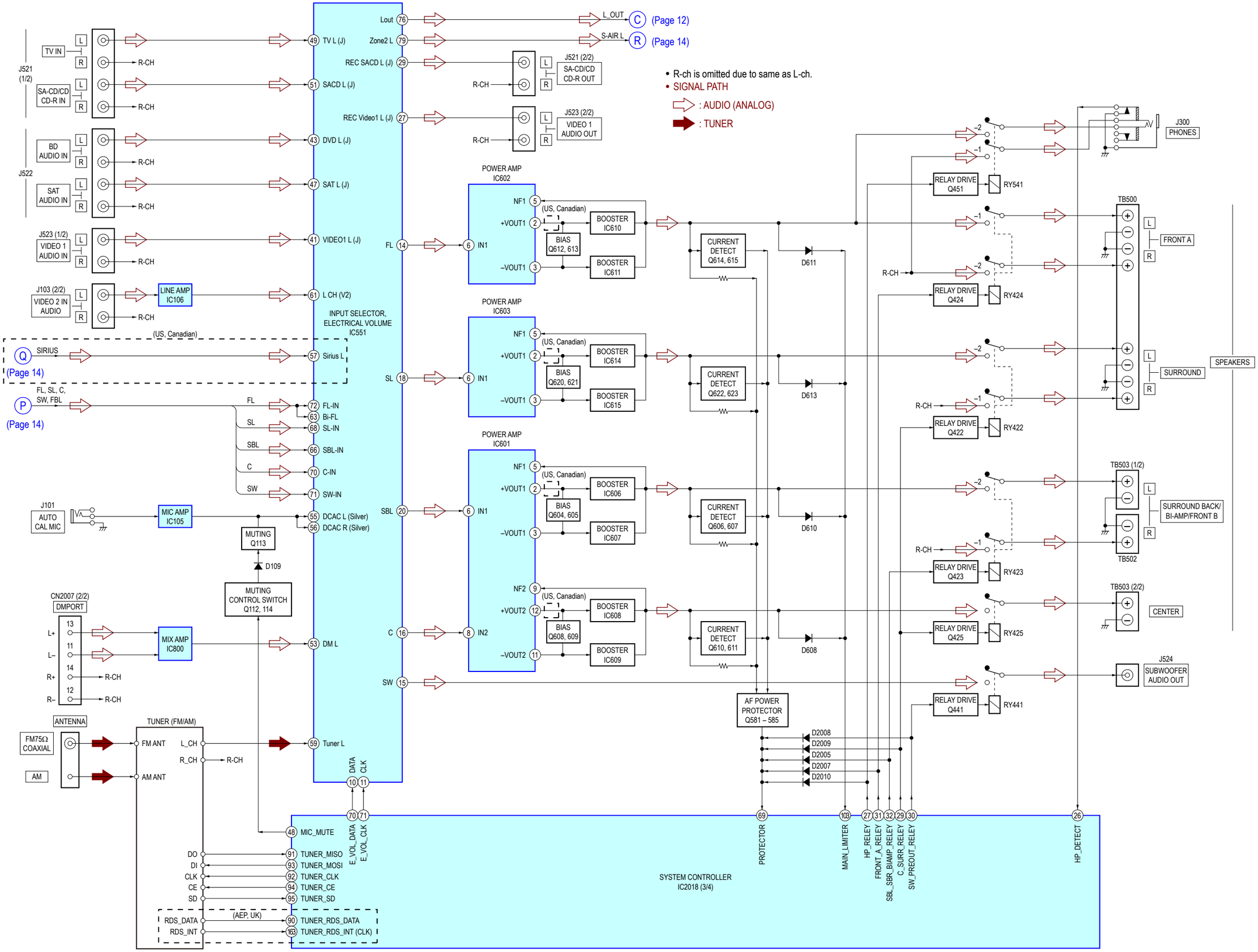


5-3. BLOCK DIAGRAM - DSP, S-AIR, SIRIUS Section -

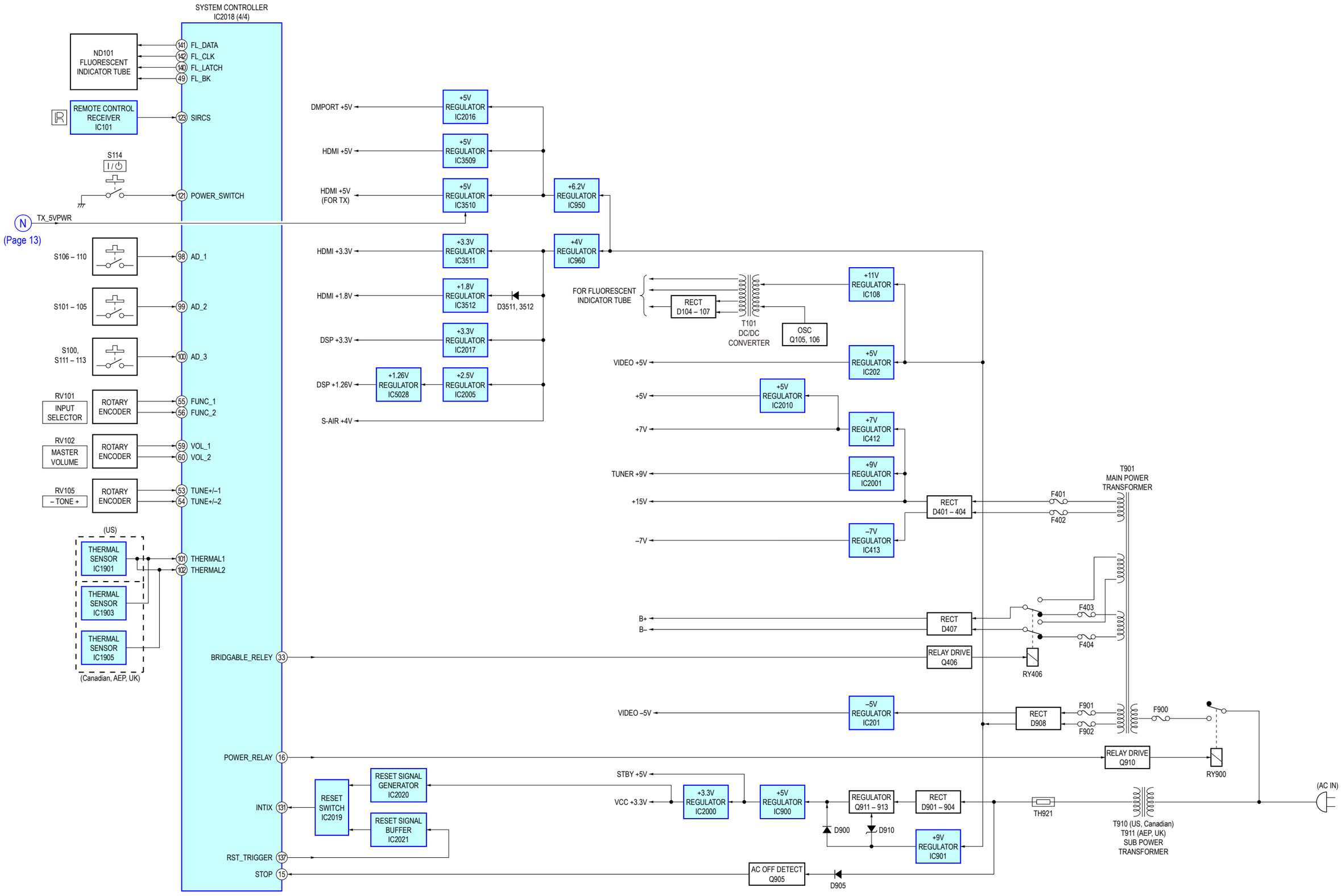


- R-ch is omitted due to same as L-ch.
- SIGNAL PATH
  - : AUDIO (ANALOG)
  - : AUDIO (DIGITAL)

5-4. BLOCK DIAGRAM - AUDIO Section -



5-5. BLOCK DIAGRAM - PANEL, POWER SUPPLY Section -



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For Printed Wiring Boards.

Note:

- o——: parts extracted from the component side.
- ———: parts extracted from the conductor side.
- △ : internal component.
- ▭ : Pattern from the side which enables seeing.
  (The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

Caution:	
Pattern face side: (SIDE B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (SIDE A)	Parts on the parts face side seen from the parts face are indicated.

- HDMI board and DSP board are multi-layer printed board.
  However, the patterns of intermediate-layers have not been included in diagrams.
- Abbreviation
  CND : Canadian model

For Schematic Diagrams.

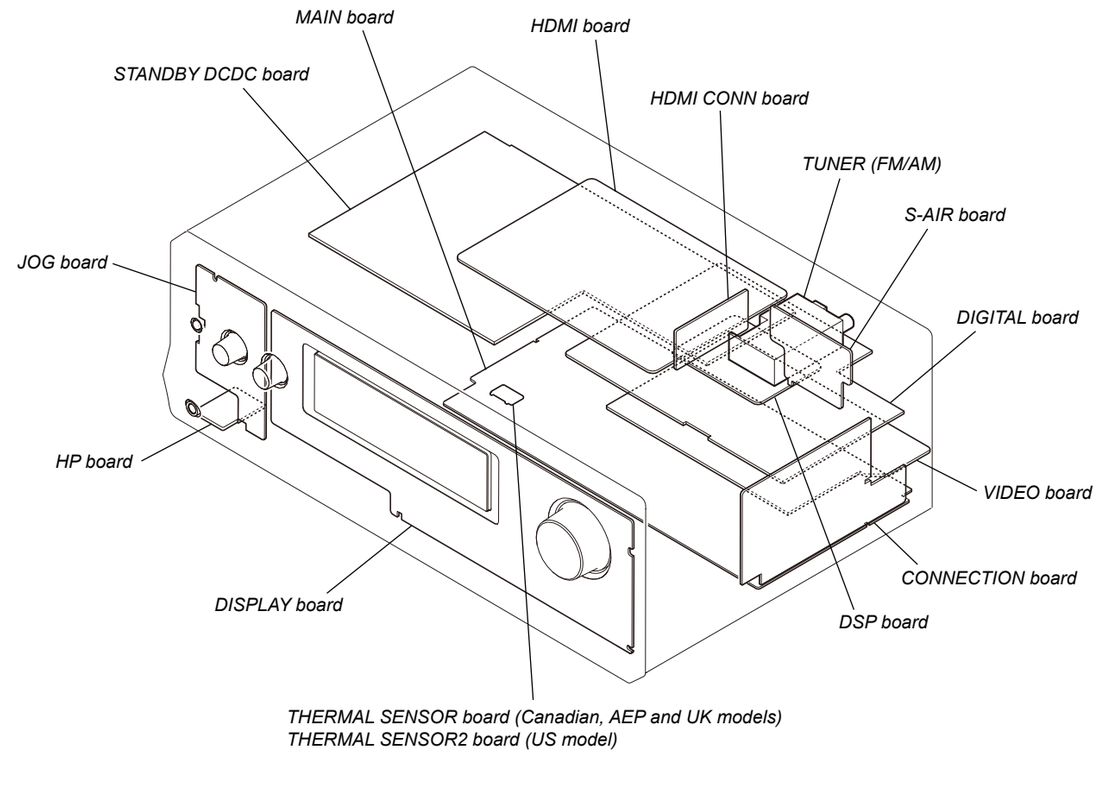
Note:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- —▭—: nonflammable resistor.
- ▭: panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

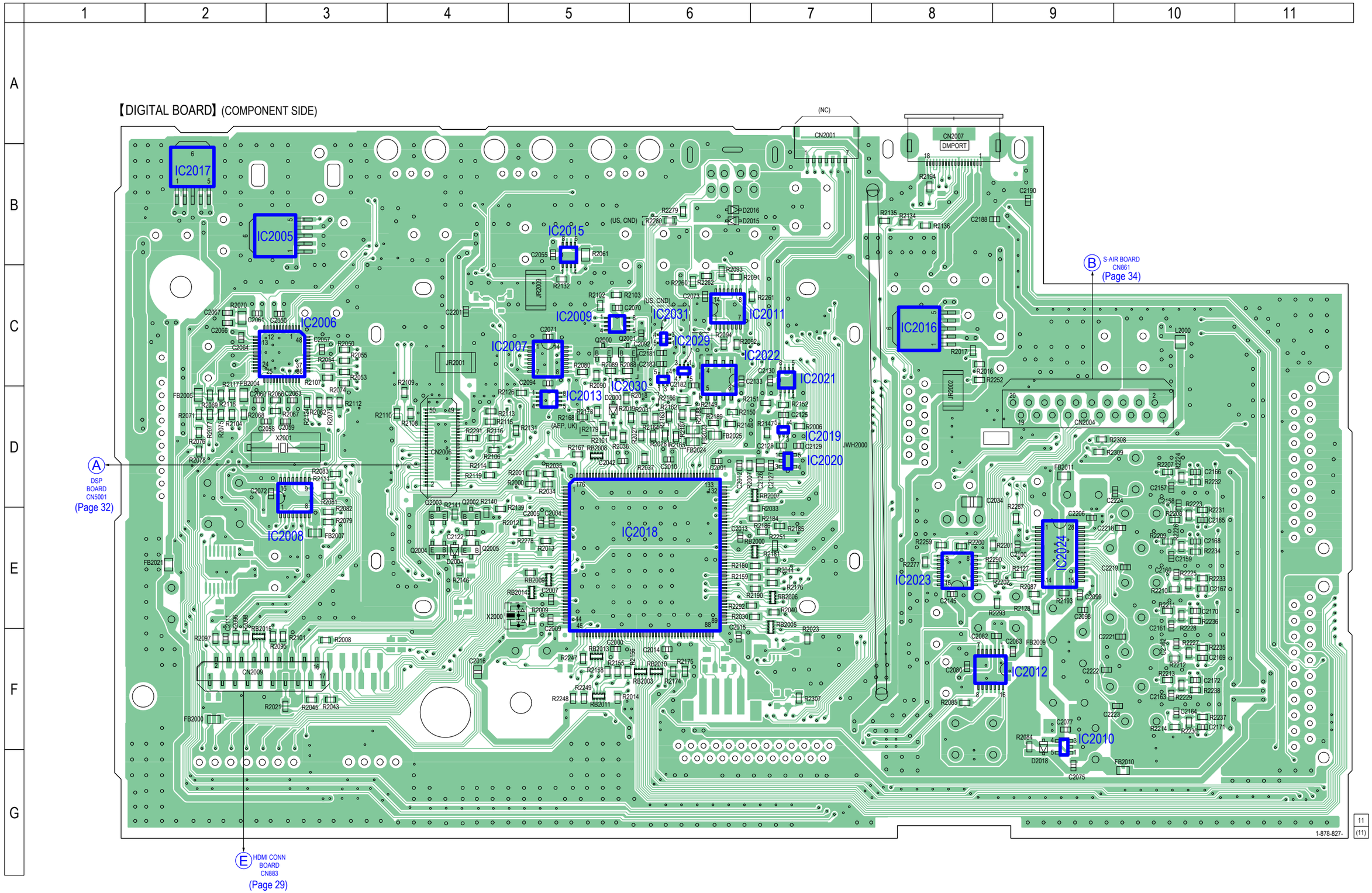
- ▬▬: B+ Line.
- ▬ ▬ ▬: B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: TUNER
- Voltages are taken with VOM (Input impedance 10 MΩ).
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : AUDIO (DIGITAL)
  ⇨ : AUDIO (ANALOG)
  ➡ : TUNER
  ⇨ : VIDEO
- Abbreviation
  CND : Canadian model

- **Circuit Boards Location**



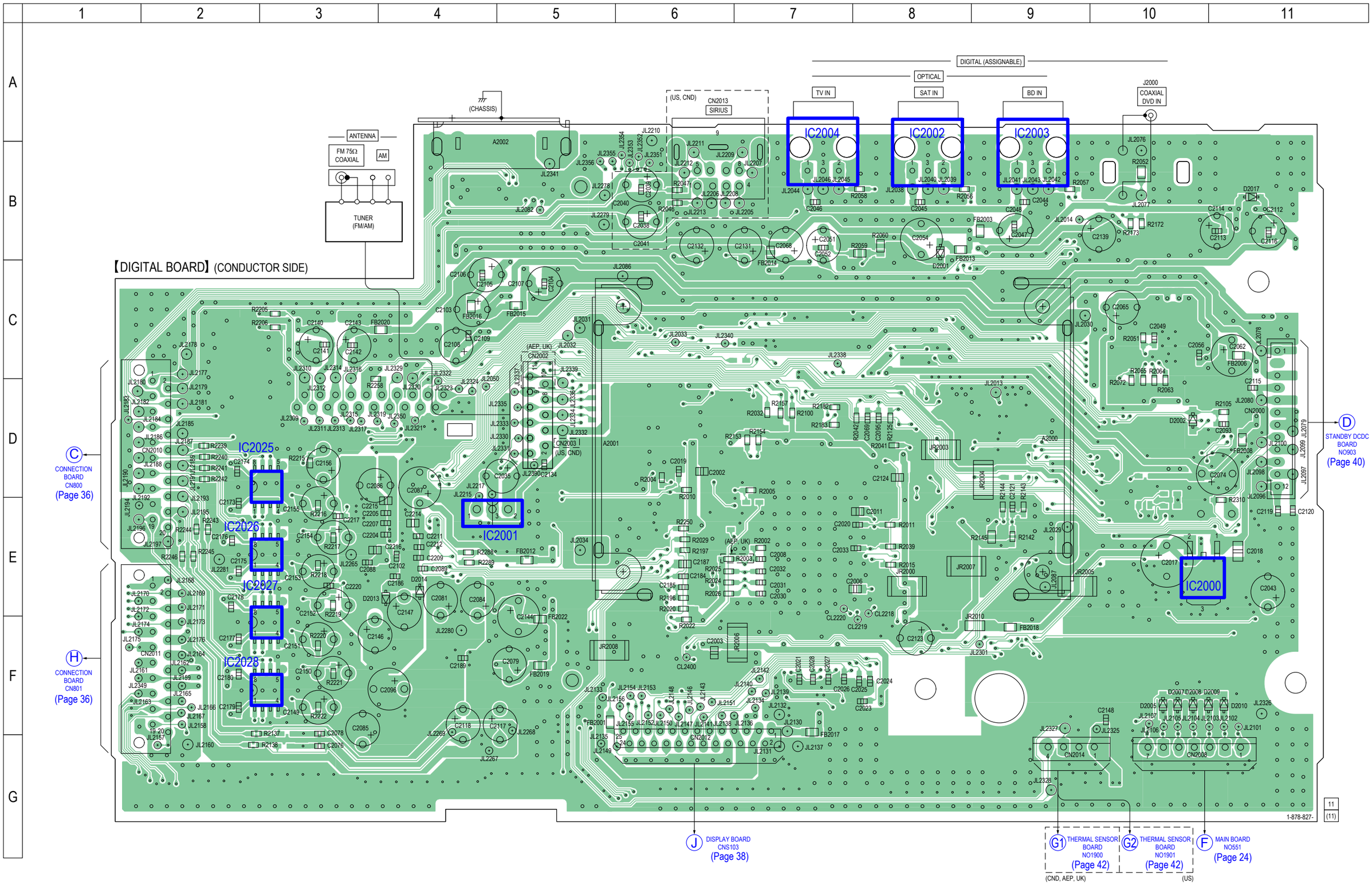
5-6. PRINTED WIRING BOARD - DIGITAL Board (Component Side) - • See page 17 for Circuit Boards Location. • : Uses unleaded solder.

【DIGITAL BOARD】(COMPONENT SIDE)

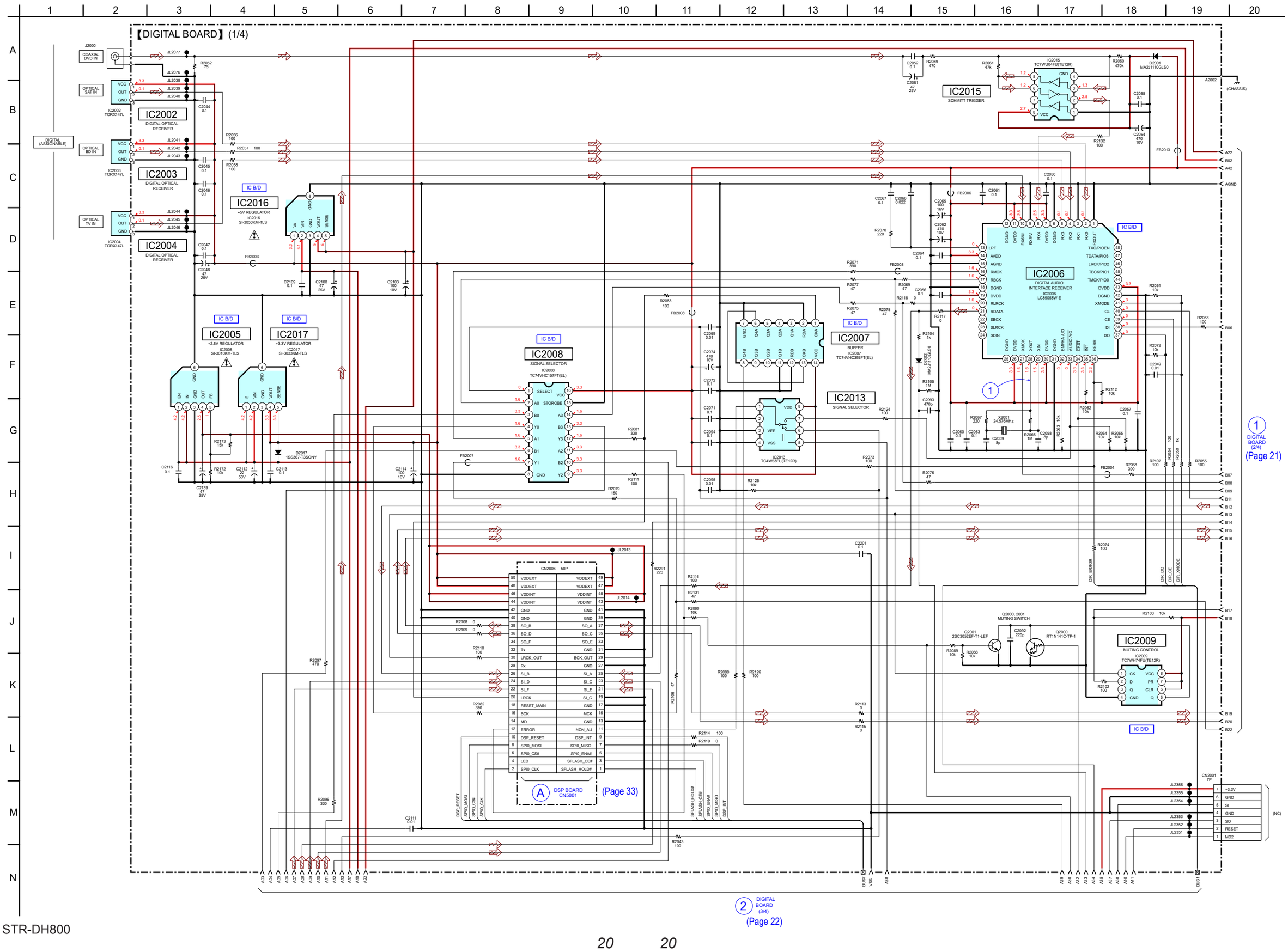


Note: When IC2022 cannot exchange with single. When this part is damaged, exchange the entire mounted board.

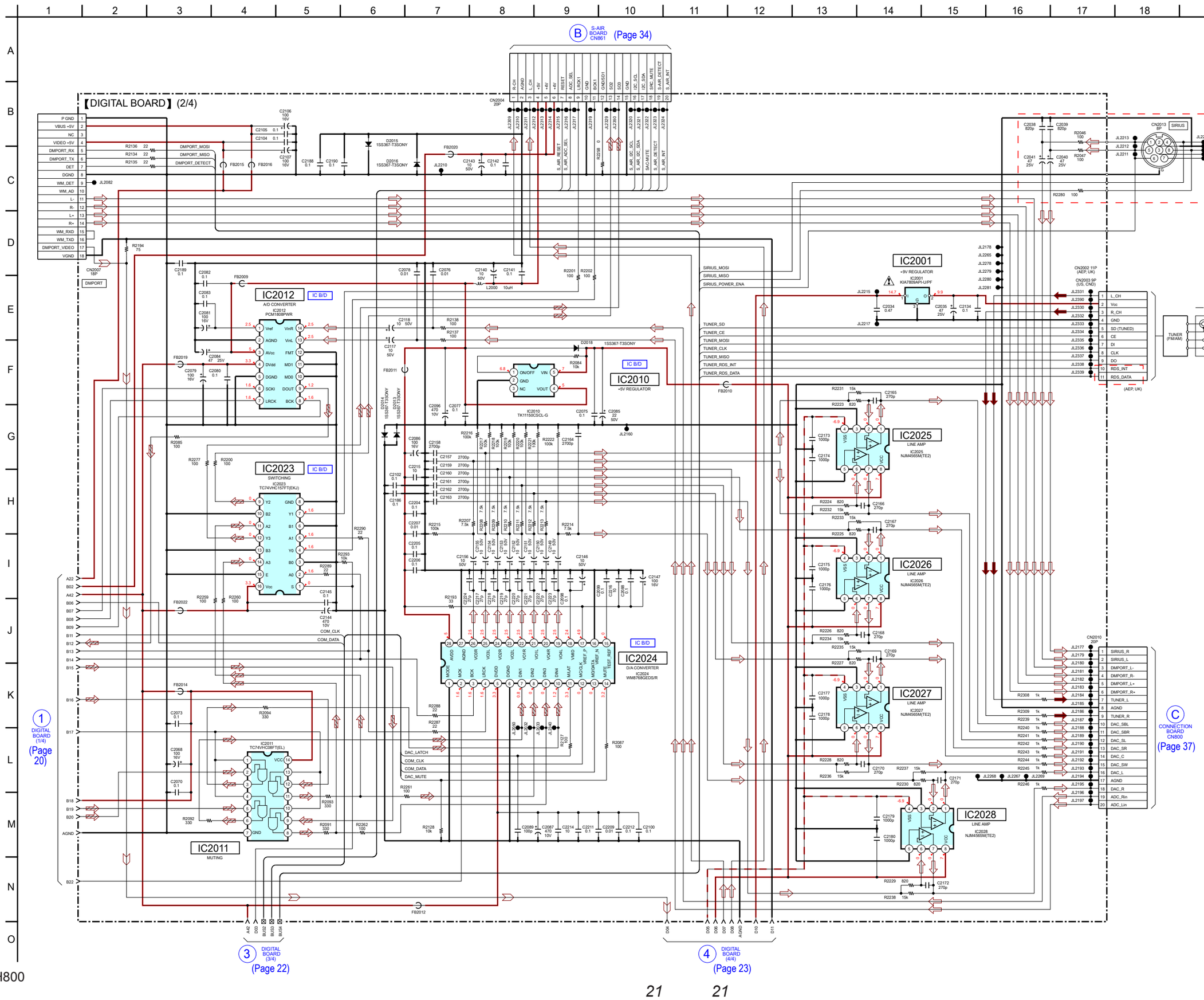
5-7. PRINTED WIRING BOARD - DIGITAL Board (Conductor Side) - • See page 17 for Circuit Boards Location. • : Uses unleaded solder.



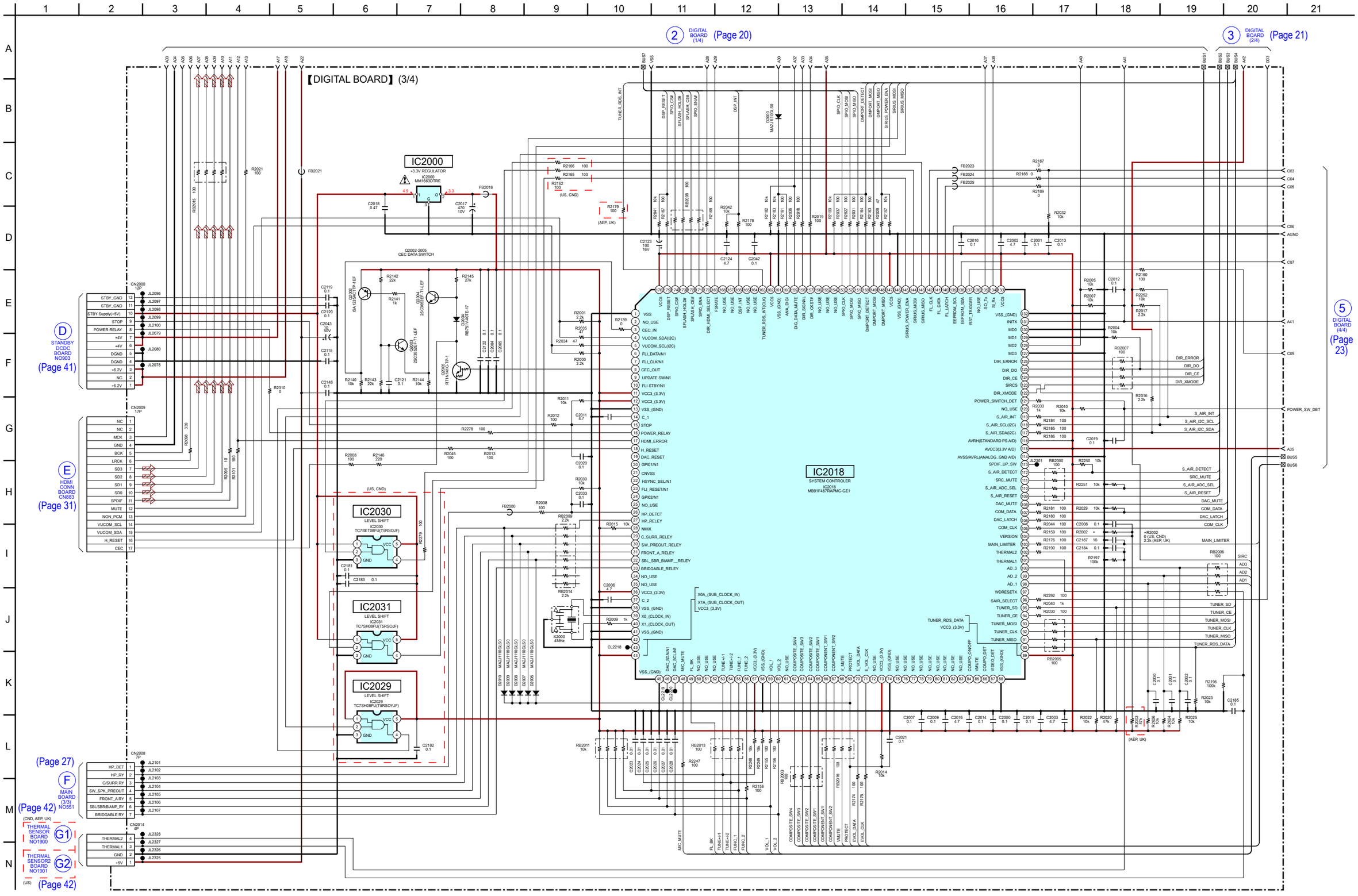
5-8. SCHEMATIC DIAGRAM - DIGITAL Board (1/4) - • See page 36 for waveforms. • See page 42 for IC Block Diagrams.


【DIGITAL BOARD】(1/4)
IC2002 DIGITAL OPTICAL RECEIVER
IC2003 DIGITAL OPTICAL RECEIVER
IC2004 DIGITAL OPTICAL RECEIVER
IC2016 +5V REGULATOR SI-3050KM-TLS
IC2005 +2.5V REGULATOR SI-3010KM-TLS
IC2017 +3.3V REGULATOR SI-3033KM-TLS
IC2008 SIGNAL SELECTOR TC74VHC157FT(EL)
IC2007 BUFFER TC74VHC393FT(EL)
IC2013 SIGNAL SELECTOR TC4W53FU(TE12R)
IC2015 SCHMITT TRIGGER TC7WU04FU(TE12R)
IC2006 DIGITAL AUDIO INTERFACE RECEIVER LC89058W-E
IC2009 MUTING CONTROL TC7WH74FU(TE12R)
CN2006 50P
A DSP BOARD CN5001 (Page 33)
1 DIGITAL BOARD (2/4) (Page 21)
2 DIGITAL BOARD (3/4) (Page 22)
CN2001 7P
Q2000, 2001 MUTING SWITCH

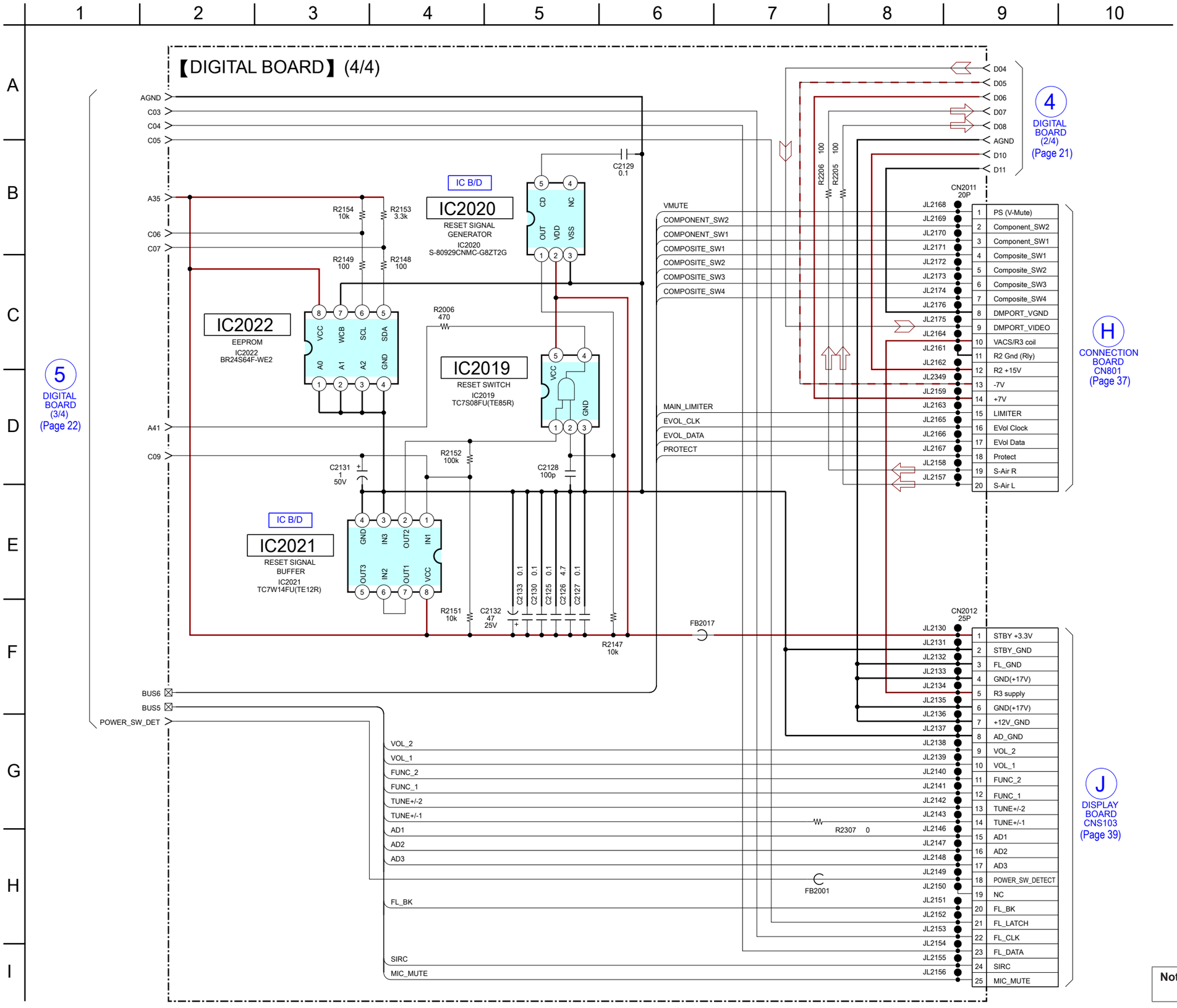
5-9. SCHEMATIC DIAGRAM - DIGITAL Board (2/4) - • See page 42 for IC Block Diagrams.



5-10. SCHEMATIC DIAGRAM - DIGITAL Board (3/4) - • See page 48 for IC Pin Function Description.

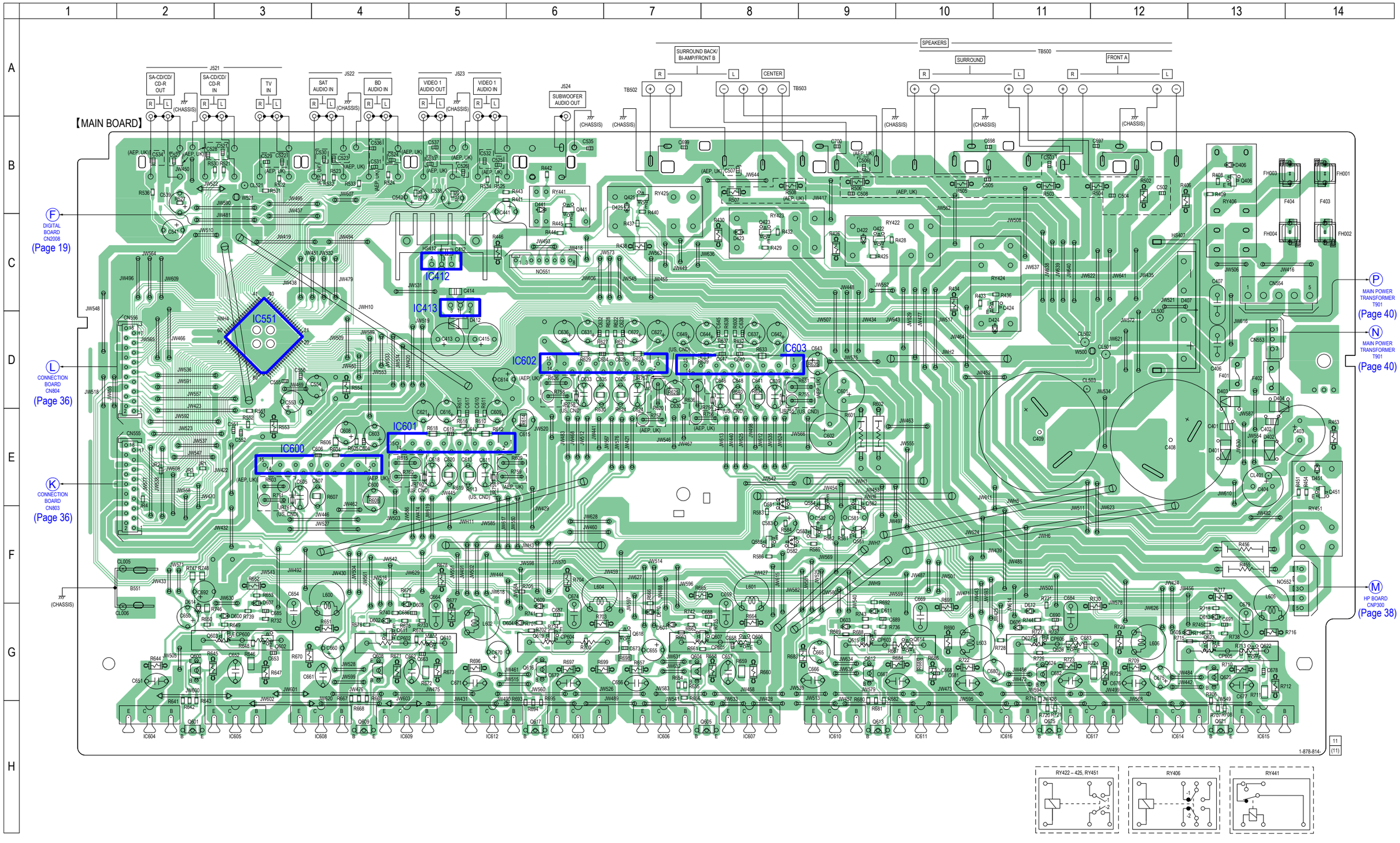


5-11. SCHEMATIC DIAGRAM - DIGITAL Board (4/4) - • See page 42 for IC Block Diagrams.

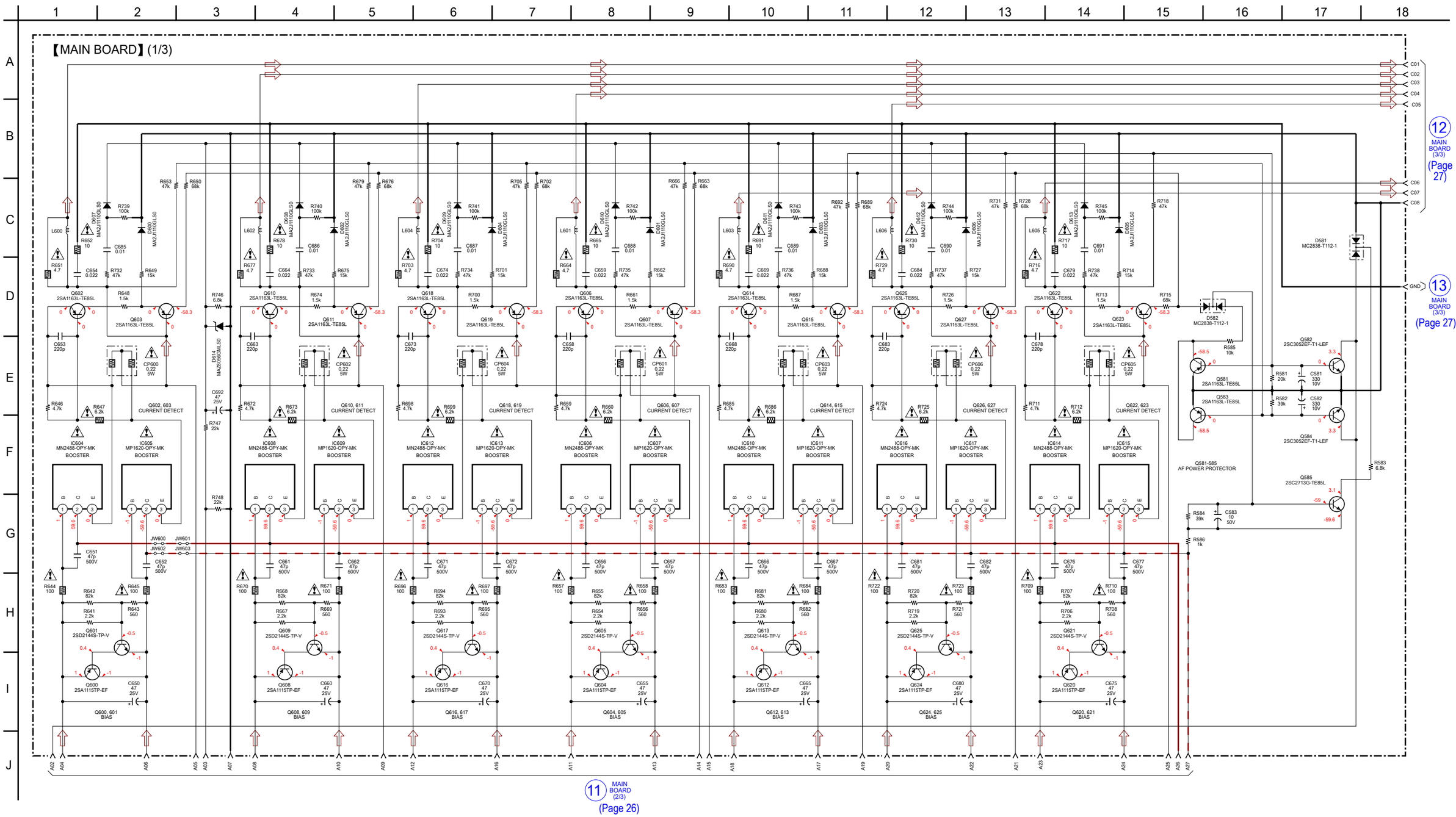


Note: When IC2022 cannot exchange with single. When this part is damaged, exchange the entire mounted board.

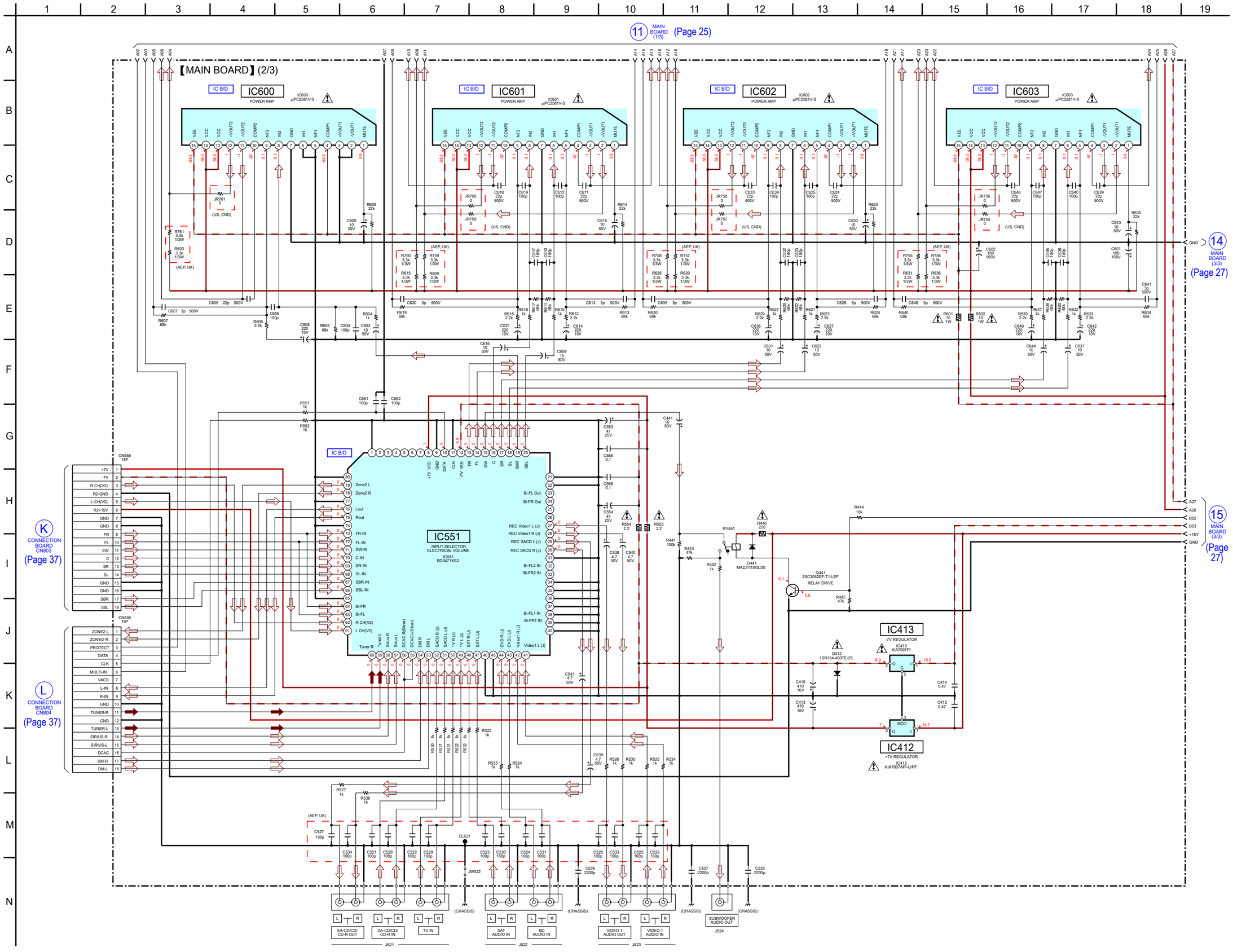
5-12. PRINTED WIRING BOARD - MAIN Board - • See page 17 for Circuit Boards Location. • : Uses unleaded solder.



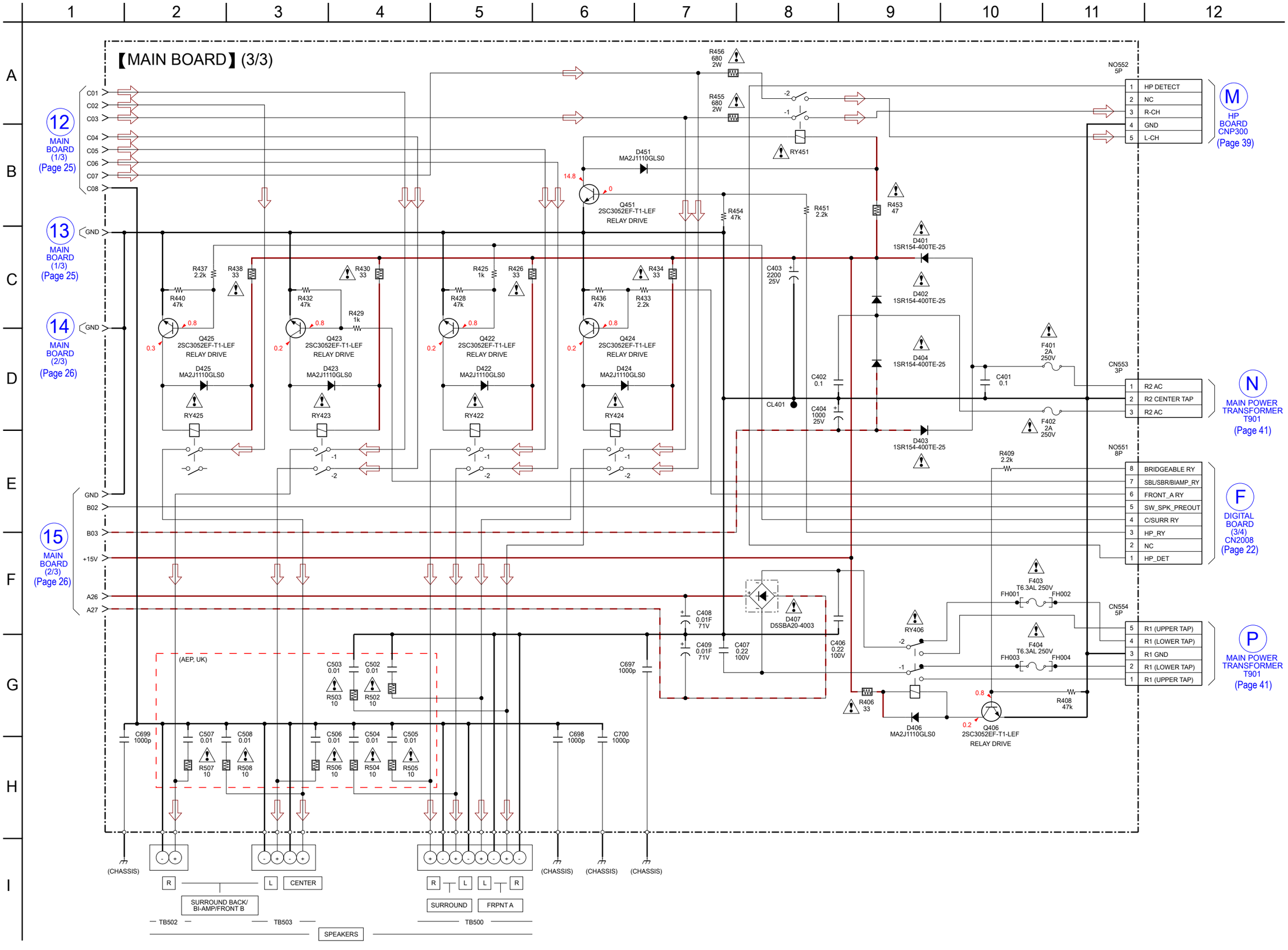
5-13. SCHEMATIC DIAGRAM - MAIN Board (1/3) -



5-14. SCHEMATIC DIAGRAM - MAIN Board (2/3) - • See page 42 for IC Block Diagrams.

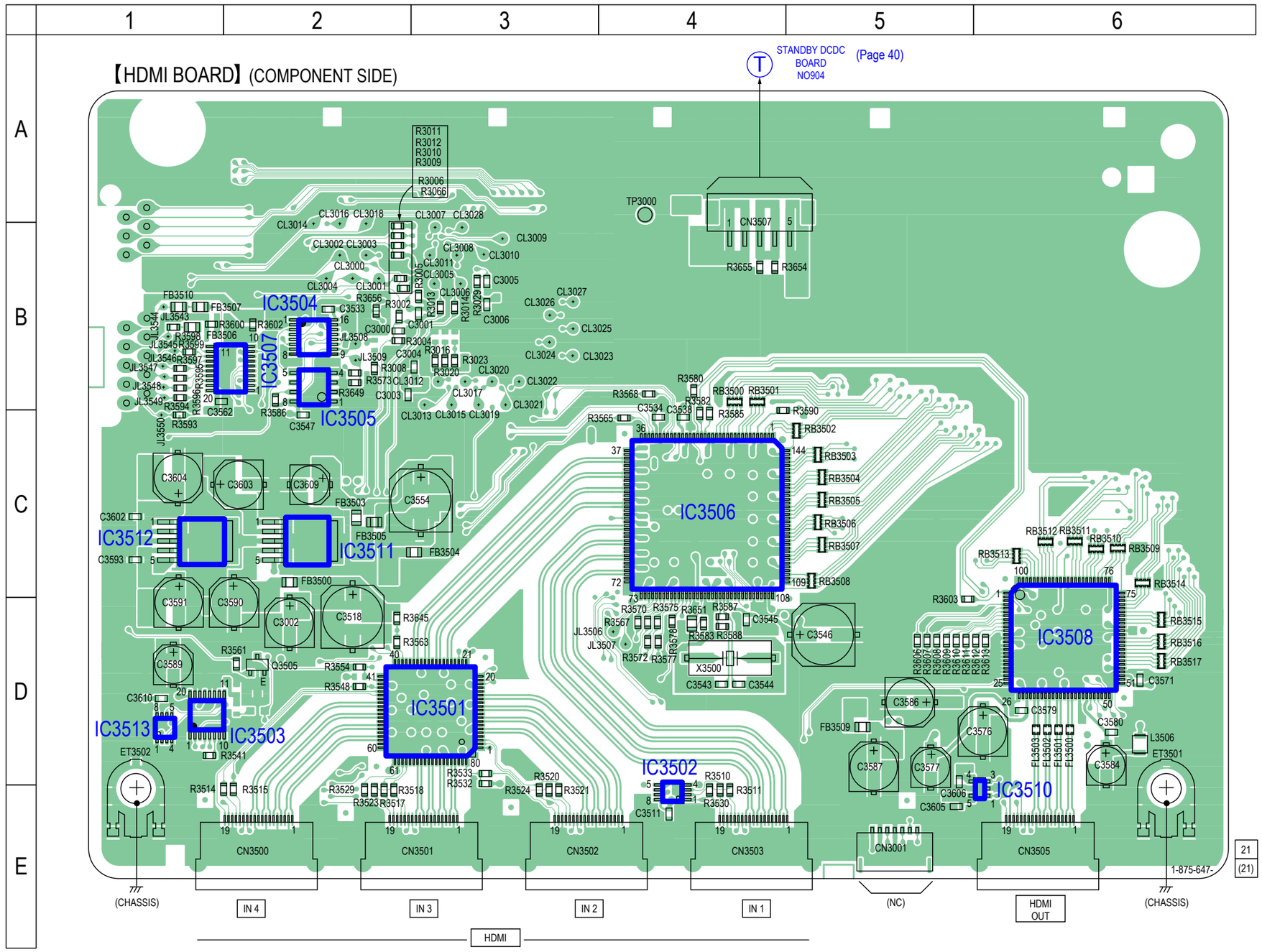


5-15. SCHEMATIC DIAGRAM - MAIN Board (3/3) -



5-16. PRINTED WIRING BOARD - HDMI Section (1/2) -

• See page 17 for Circuit Boards Location. • : Uses unleaded solder.

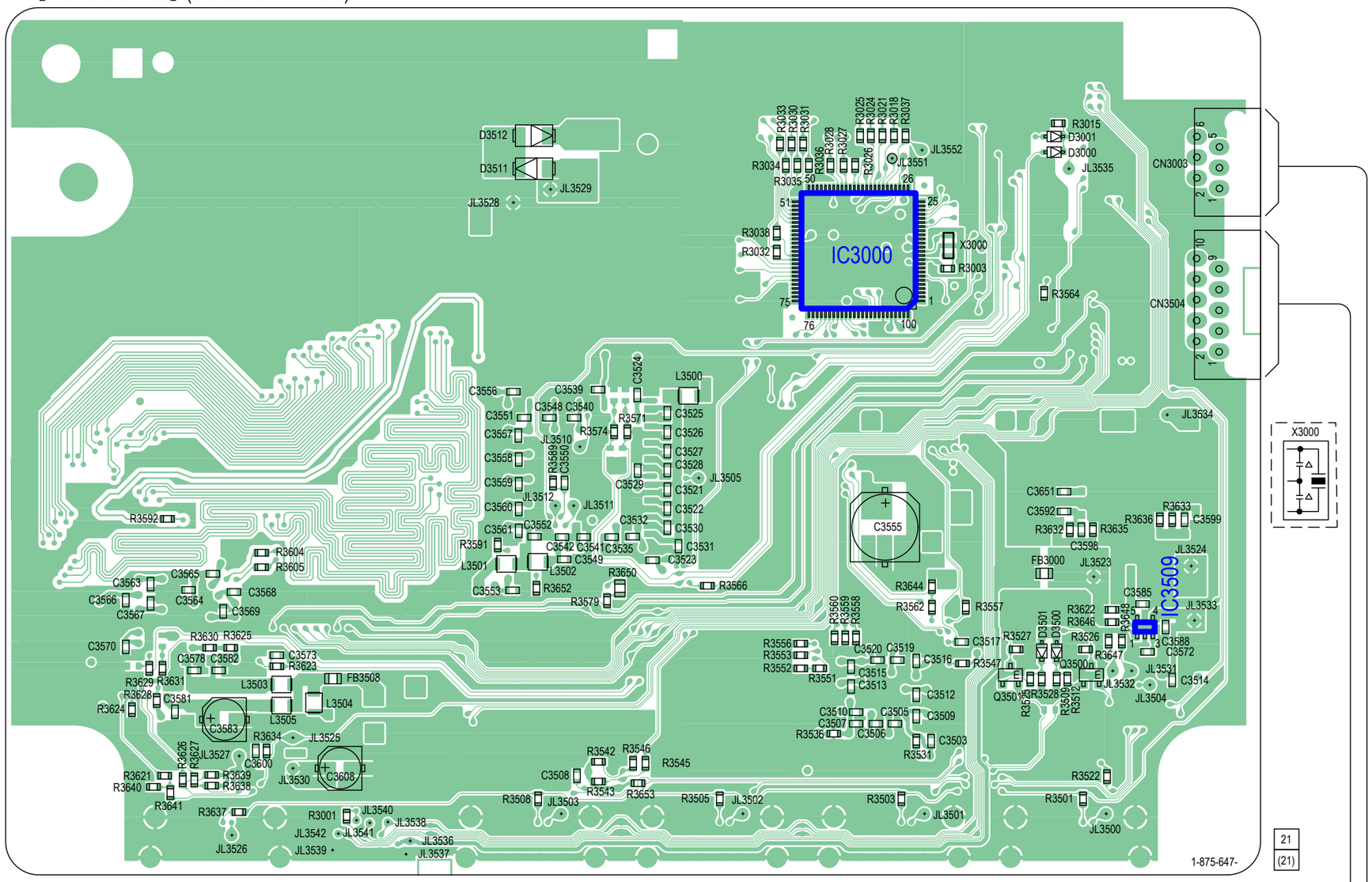


Note: When IC3506 and IC3508 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

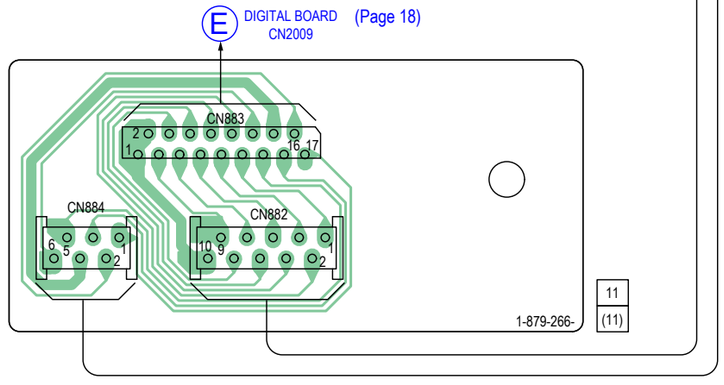
5-17. PRINTED WIRING BOARDS - HDMI Section (2/2) -

• See page 17 for Circuit Boards Location. • : Uses unleaded solder.

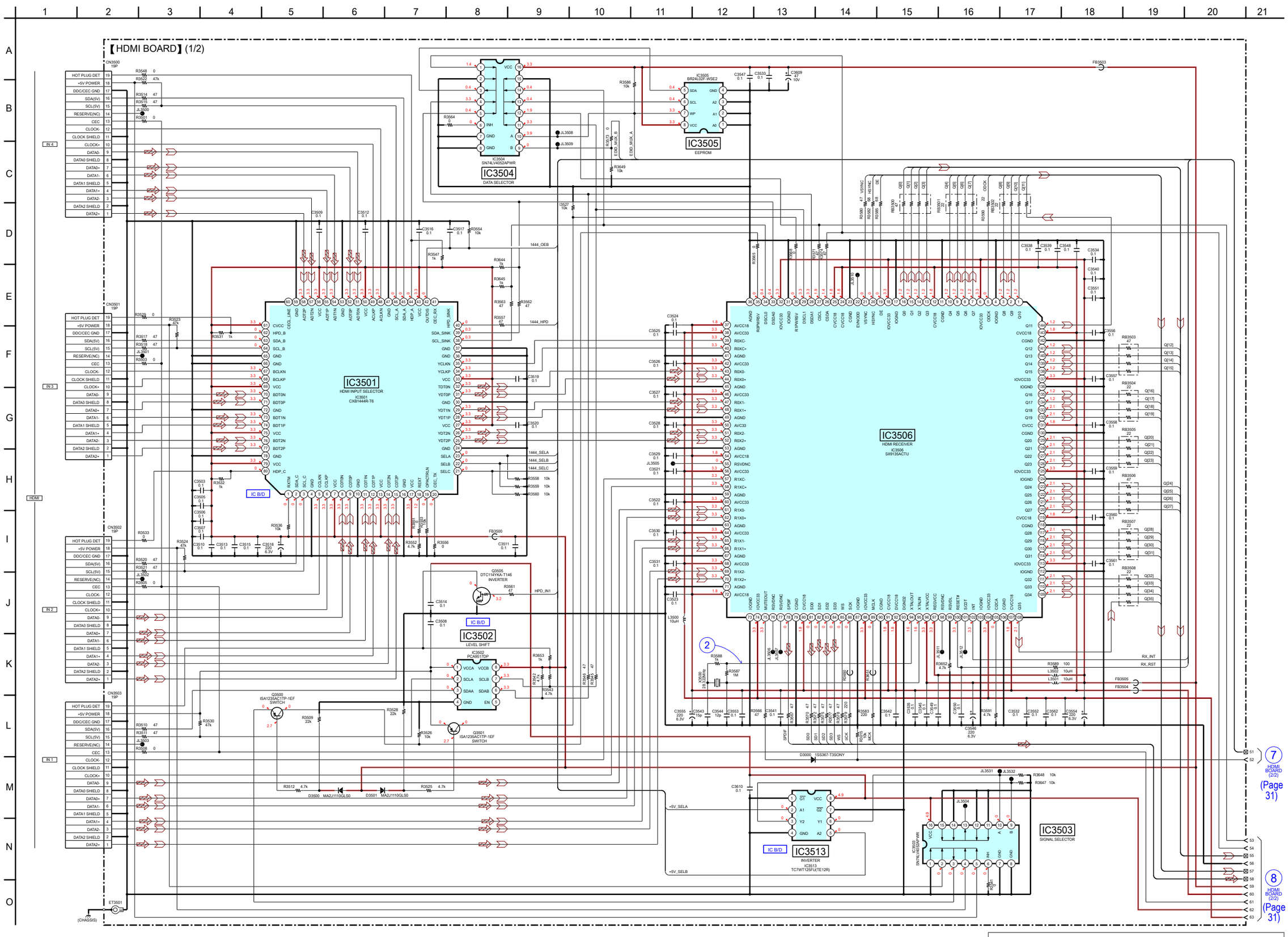
【HDMI BOARD】(CONDUCTOR SIDE)



【HDMI CONN BOARD】



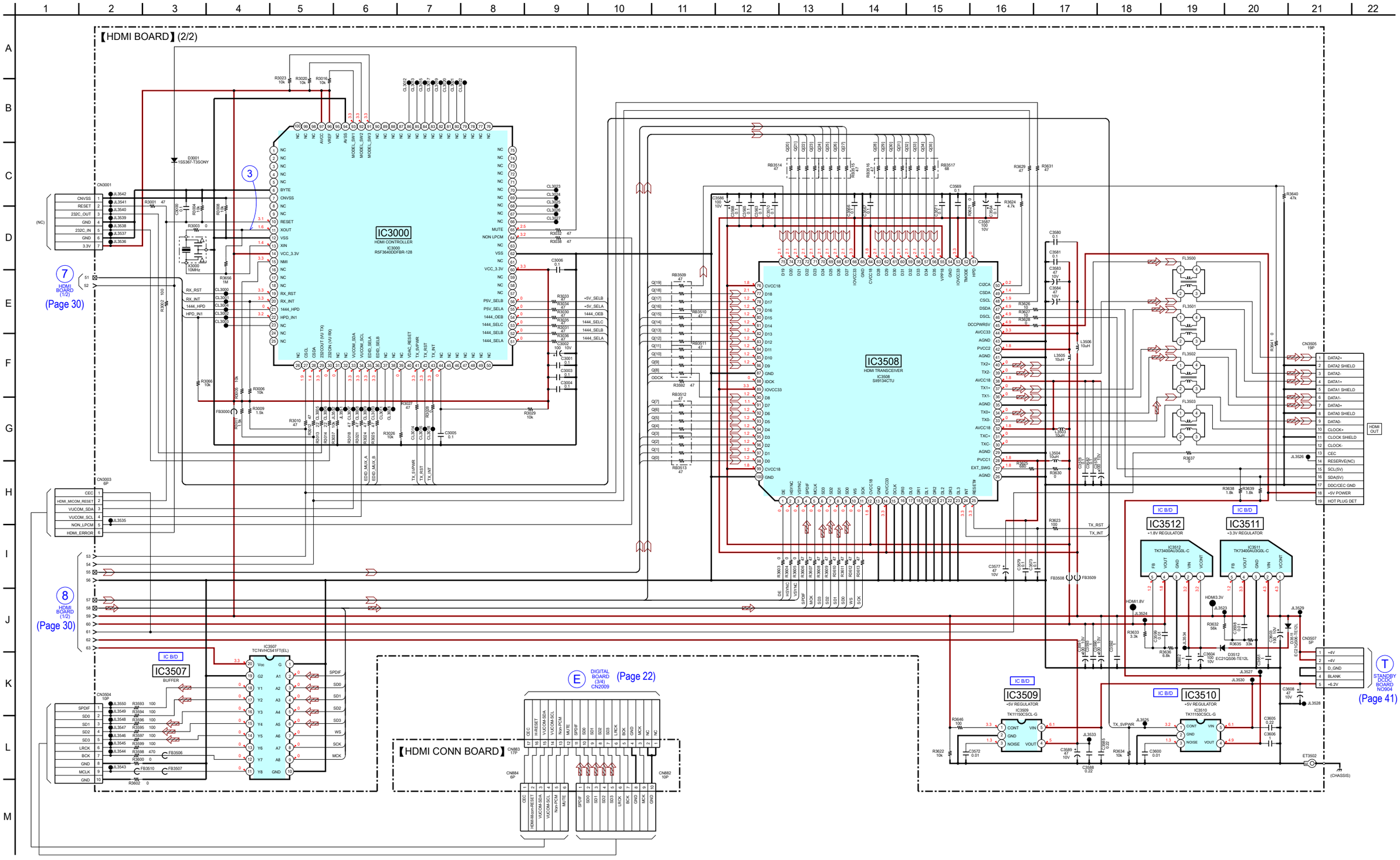
5-18. SCHEMATIC DIAGRAM - HDMI Section (1/2) - • See page 36 for waveforms. • See page 42 for IC Block Diagrams. • See page 48 for IC Pin Function Description.



Note: When IC3506 cannot exchange with single. When this part is damaged, exchange the entire mounted board.

5-19. SCHEMATIC DIAGRAM - HDMI Section (2/2) -

• See page 36 for waveforms. • See page 42 for IC Block Diagrams. • See page 48 for IC Pin Function Description.

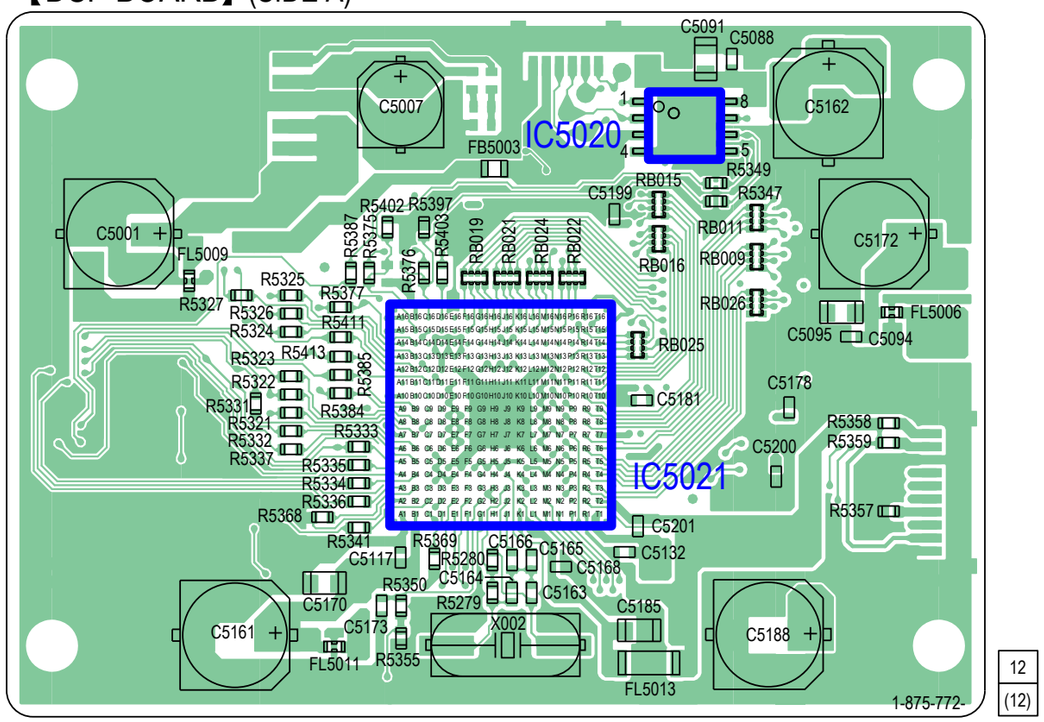


Note: When IC3508 cannot exchange with single. When this part is damaged, exchange the entire mounted board.

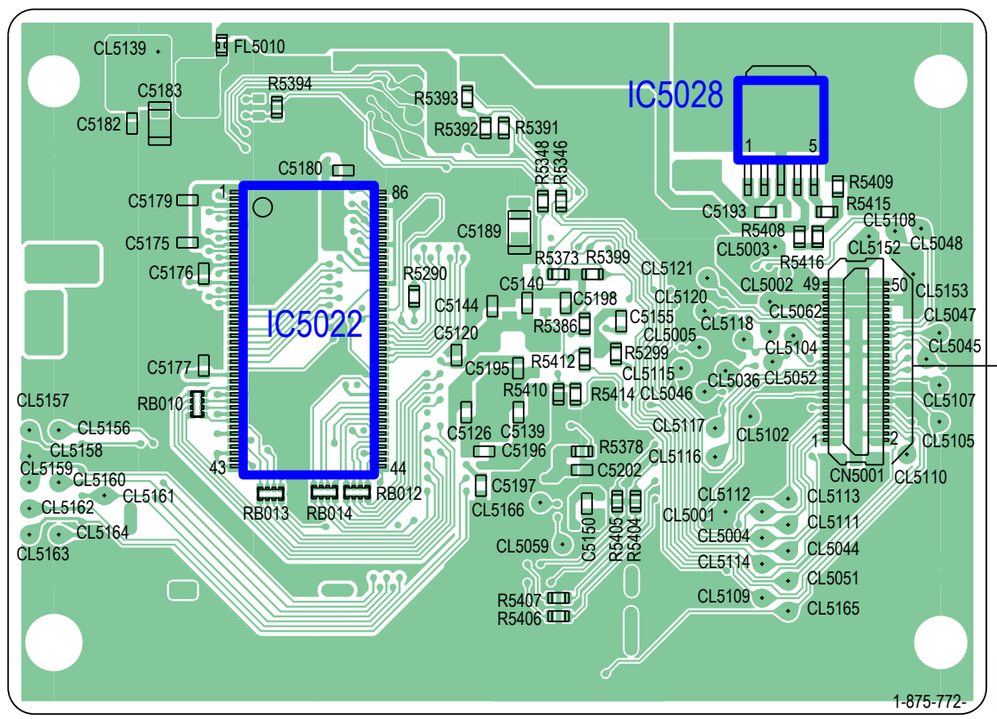
5-20. PRINTED WIRING BOARD - DSP Board -

• See page 17 for Circuit Boards Location. • : Uses unleaded solder.

【DSP BOARD】(SIDE A)

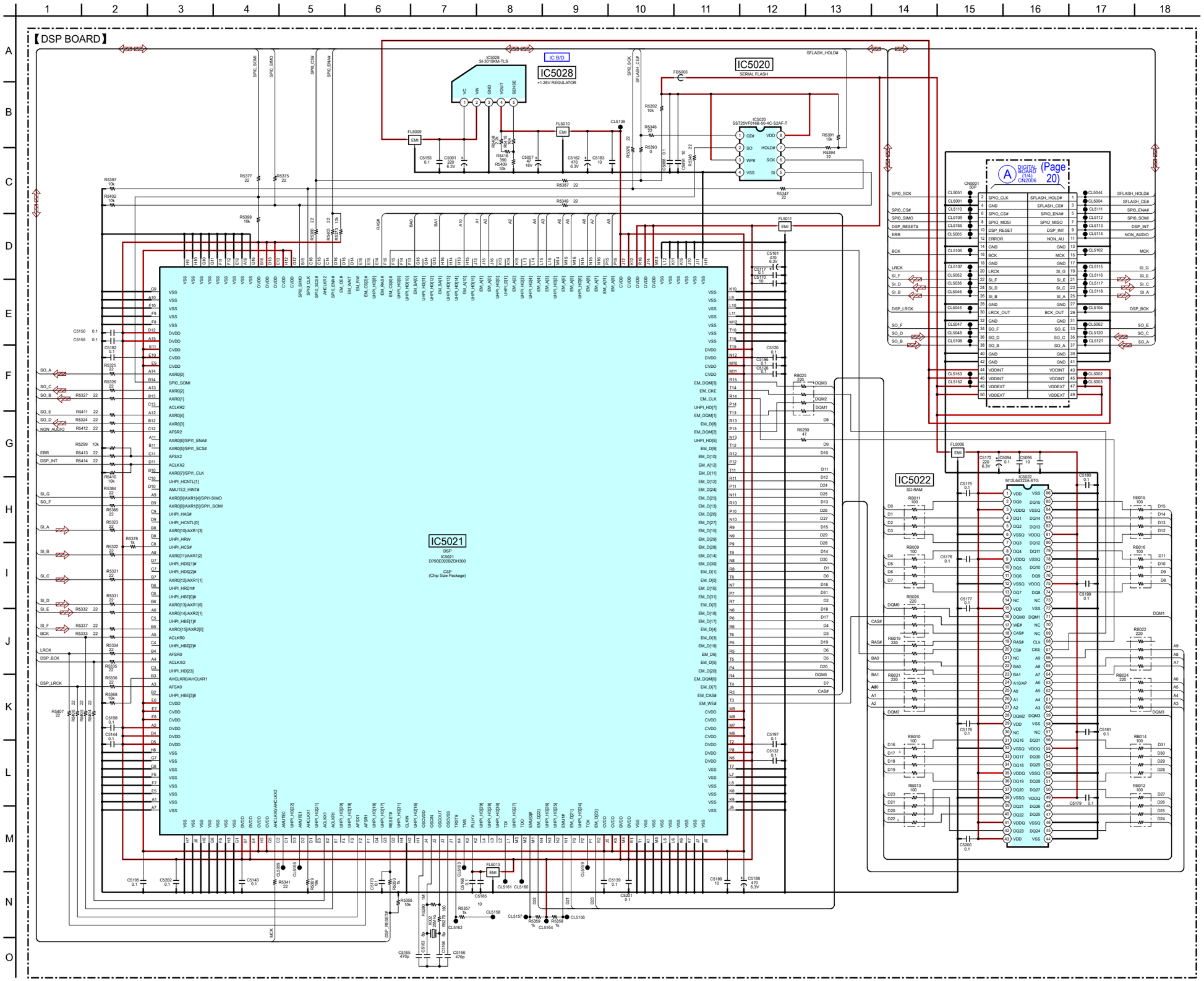


【DSP BOARD】(SIDE B)



Note: When IC5021 cannot exchange with single. When this part is damaged, exchange the entire mounted board.

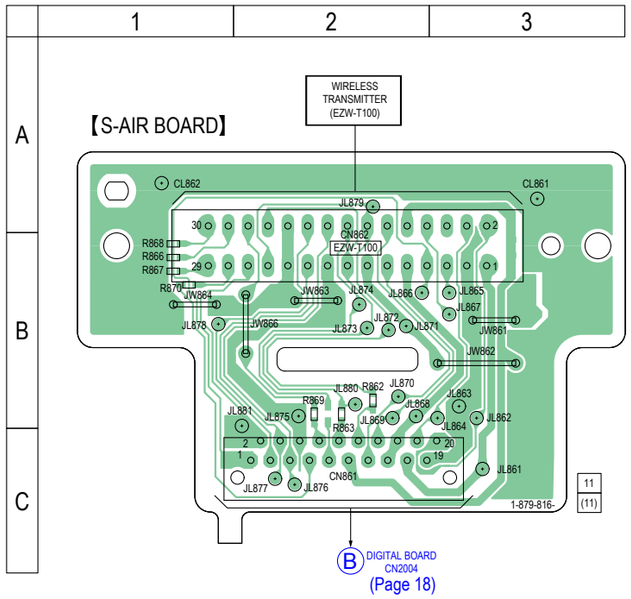
5-21. SCHEMATIC DIAGRAM - DSP Board - • See page 42 for IC Block Diagrams. • See page 48 for IC Pin Function Description.



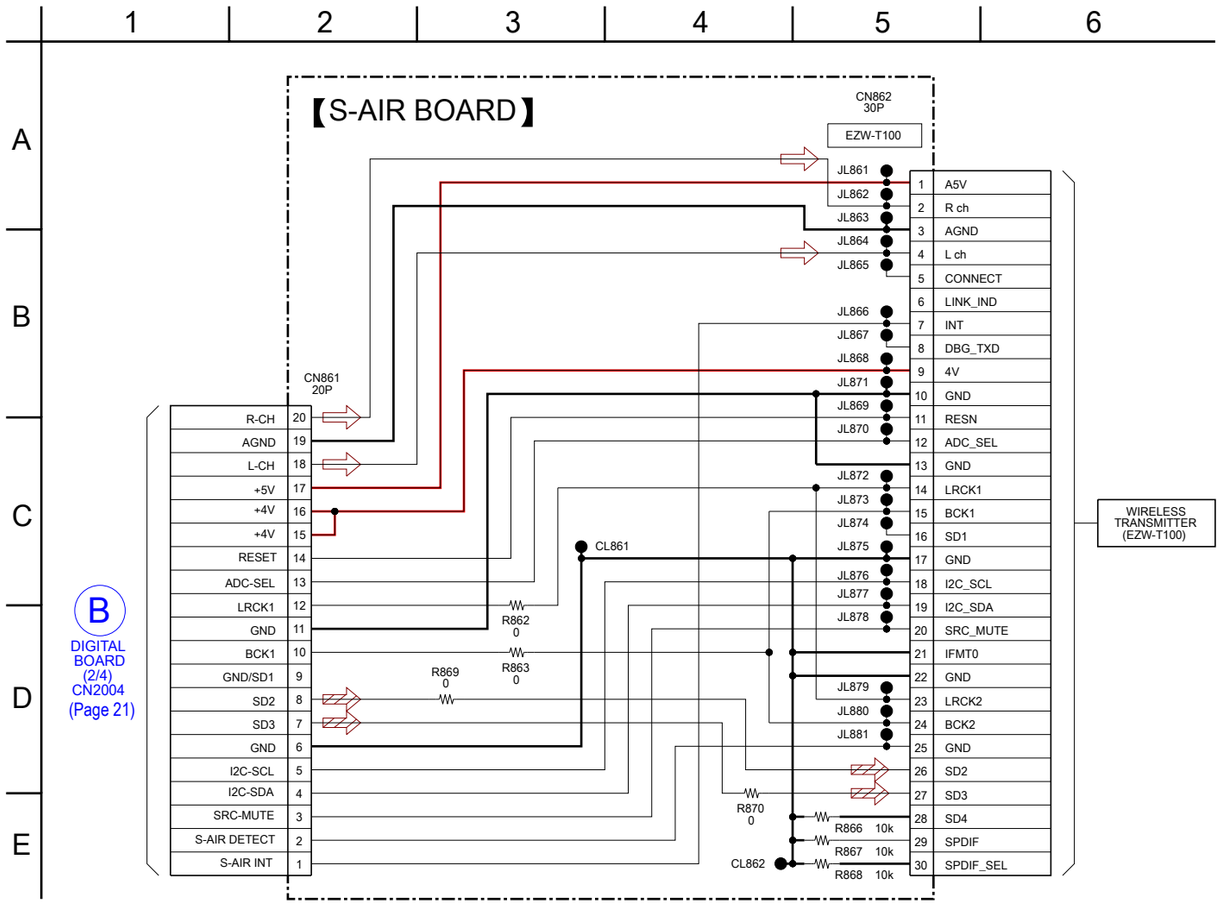
Note: When IC5021 cannot exchange with single. When this part is damaged, exchange the entire mounted board.

5-22. PRINTED WIRING BOARD - S-AIR Board -

• See page 17 for Circuit Boards Location. • : Uses unleaded solder.

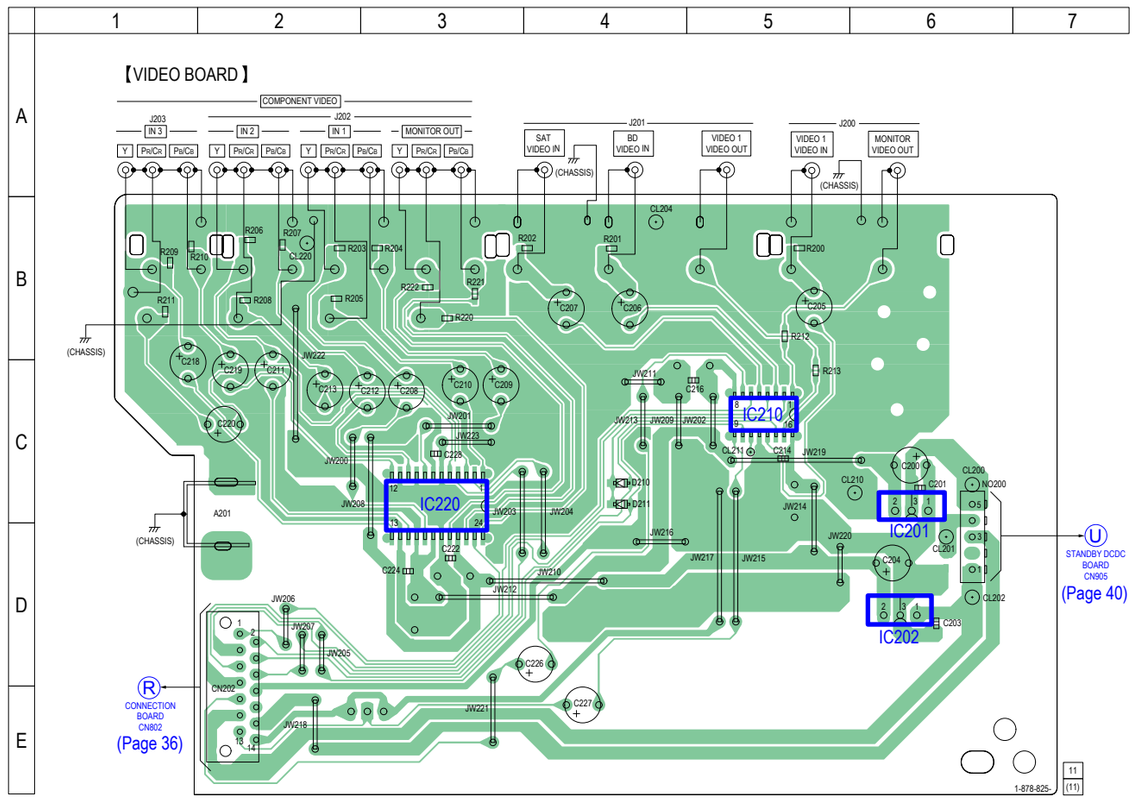


5-23. SCHEMATIC DIAGRAM - S-AIR Board -



5-24. PRINTED WIRING BOARD - VIDEO Board -

• See page 17 for Circuit Boards Location. • : Uses unleaded solder.



5-25. SCHEMATIC DIAGRAM - VIDEO Board - • See page 42 for IC Block Diagrams.

【VIDEO BOARD】

J200 MONITOR VIDEO OUT / VIDEO 1 VIDEO IN
J201 VIDEO 1 VIDEO OUT / BD VIDEO IN / SAT VIDEO IN
COMPONENT VIDEO
J202 MONITOR OUT / IN 1 / IN 2
J203 IN 3
Y / PB/CB / PR/CR

(CHASSIS)

R200 75, R213 75, R201 75, R202 75
R203 75, R204 75, R205 75, R206 75, R207 75, R208 75, R209 75, R210 75, R211 75
R222 75, R221 75, R220 75, R212 75

C205 10 50V, C206 10 50V, C207 10 50V
C208 10 50V, C209 10 50V, C210 10 50V, C211 10 50V, C212 10 50V, C213 10 50V, C218 10 50V, C219 10 50V, C220 10 50V

D210 MA2J1110GLS0
D211 MA2J1110GLS0

CL220

IC B/D
IC210
VIDEO AMP
IC210
NJM2595M-TE2

1	2	3	4	5	6	7	8	
VOUT1	SW5	VIN5	SW3	VIN4	SW4	VOUT3 (NC)	VIN3	V-
V+	VOUT2	SW1	VIN1	GND	VOUT3 (NC)	SW2	VIN2	
16	15	14	13	12	11	10	9	

IC B/D
IC220
VIDEO AMP
IC220
NJM2586AM

1	2	3	4	5	6	7	8	9	10	11	12
CH1 IN1	SW1	CH1 IN2	SW2	CH1 IN3	GND	V+1	CH2 IN1	GND	CH2 IN2	GND	CH2 IN3
CH1 OUT	PS	CH2 OUT	V+2	CH3 OUT	GND	V-2	CH3 IN1	V-1	CH3 IN2	GND	CH3 IN3
24	23	22	21	20	19	18	17	16	15	14	13

CL210, CL211

C227 10 50V, C226 10 50V

CN202 14P

1	PS(V-MUTE)
2	COMP_S2
3	COMP_S1
4	V_SW1
5	V_SW2
6	V_SW3
7	V_SW4
8	DMPORT GND
9	DMPORT V
10	V_GND
11	+R3 (15V)
12	R3_GND
13	VIDEO2 V
14	VIDEO2_GND

R CONNECTION BOARD CN802 (Page 37)

IC201
-5V REGULATOR
IC201
KIA7905PI

C201 0.47, C200 47 16V, C224 0.1, C216 0.1

IC202
+5V REGULATOR
IC202
KIA7805API-U/PF

C204 47 16V, C222 0.1, C214 0.1, C228 0.1, C203 0.47

A201 (CHASSIS)

NO200 5P

-R3 (-15V)	5
GND	4
GND	3
NC	2
+R3 (15V)	1

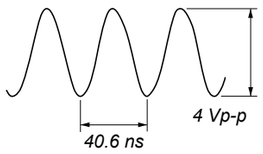
CL200, CL201, CL202

U STANDBY DCDC BOARD CN905 (Page 41)

• **Waveforms**

– DIGITAL Board –

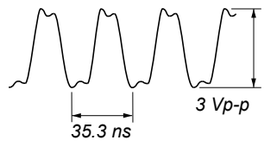
① IC2006 ㉘ (XOUT)



2 V/DIV, 20 ns/DIV

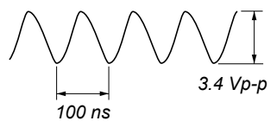
– HDMI Board –

② IC3506 ㊹ (XTALOUT)



1 V/DIV, 20 ns/DIV

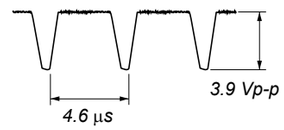
③ IC3000 ⑪ (XOUT)



2 V/DIV, 50 ns/DIV

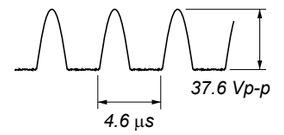
– DISPLAY Board –

④ Q105, 106 (Base)



2 V/DIV, 2 µs/DIV

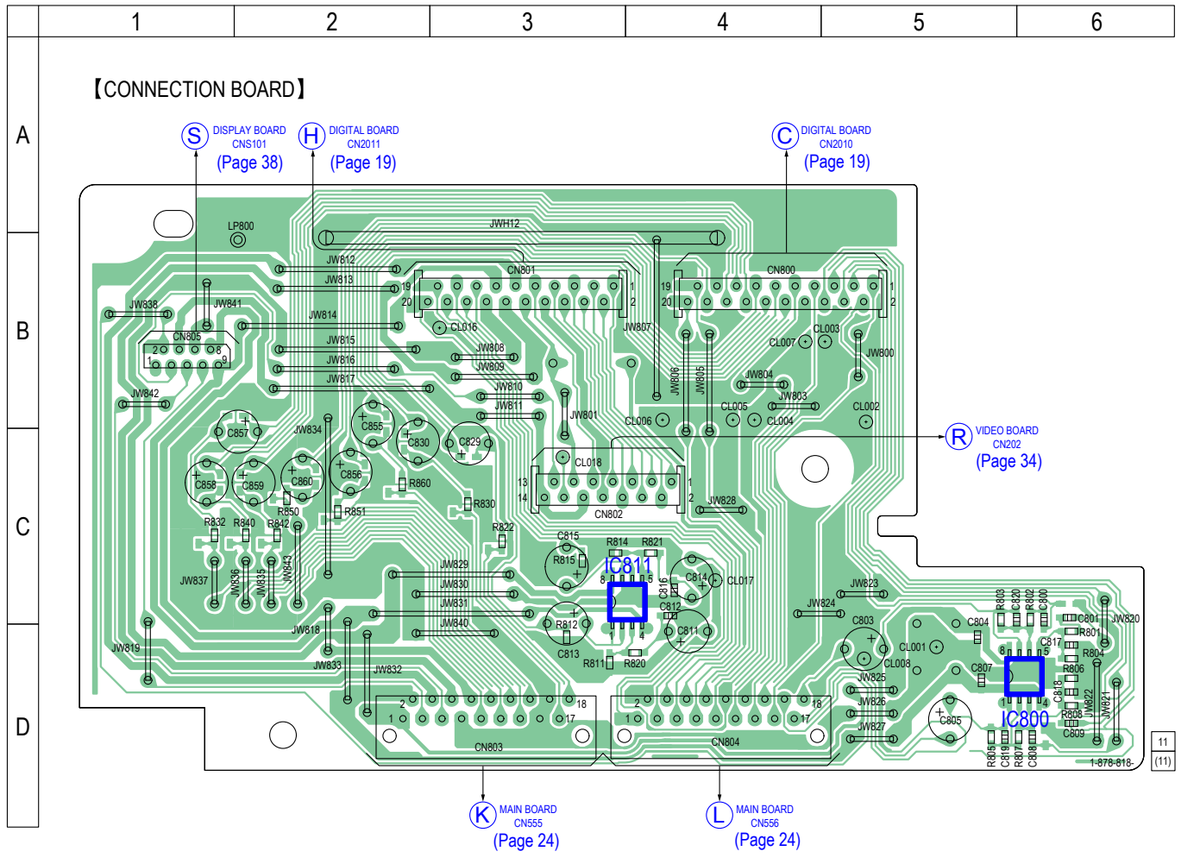
⑤ Q105, 106 (Collector)



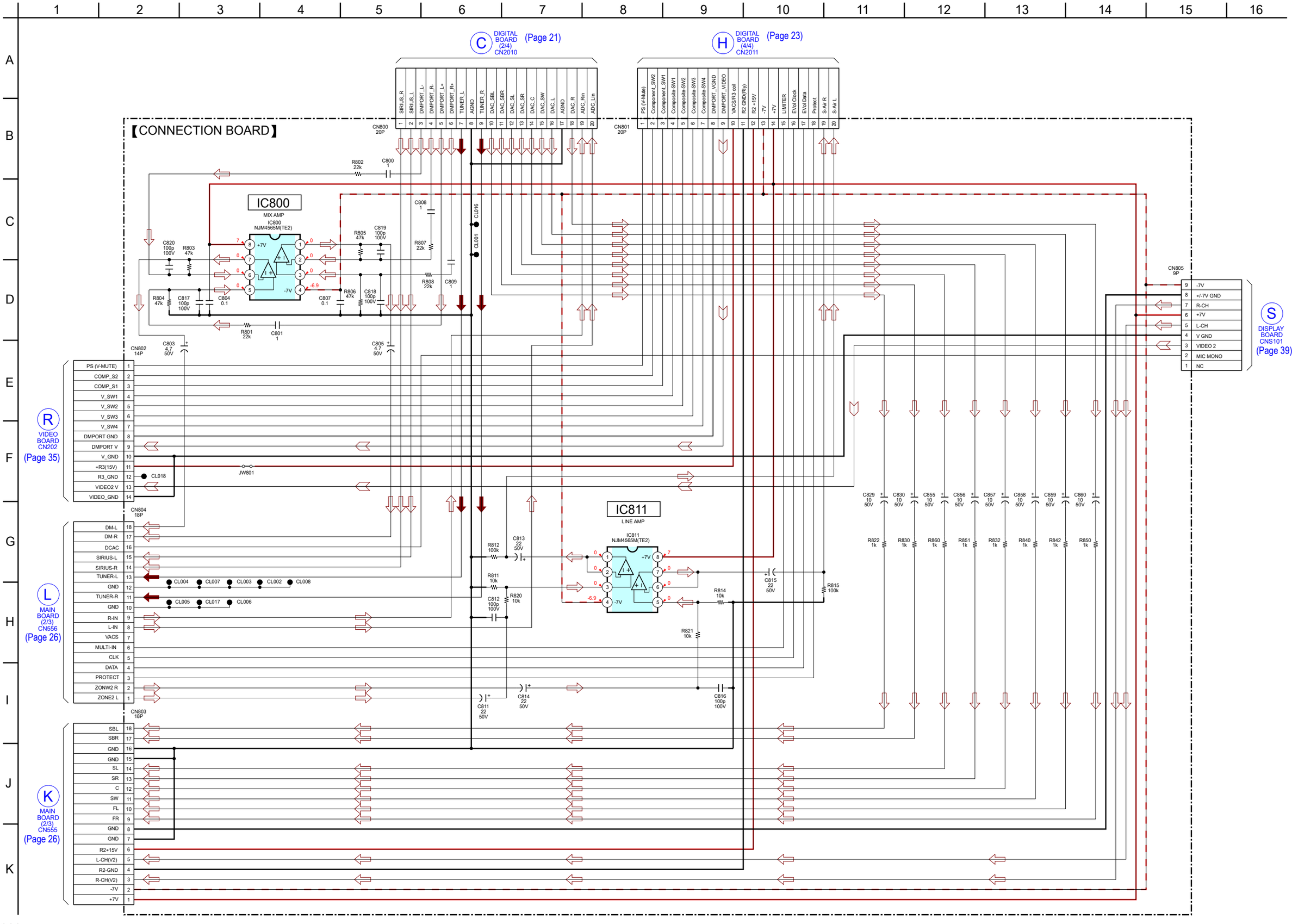
20 V/DIV, 2 µs/DIV

5-26. PRINTED WIRING BOARD - CONNECTION Board -

• See page 17 for Circuit Boards Location. • : Uses unleaded solder.



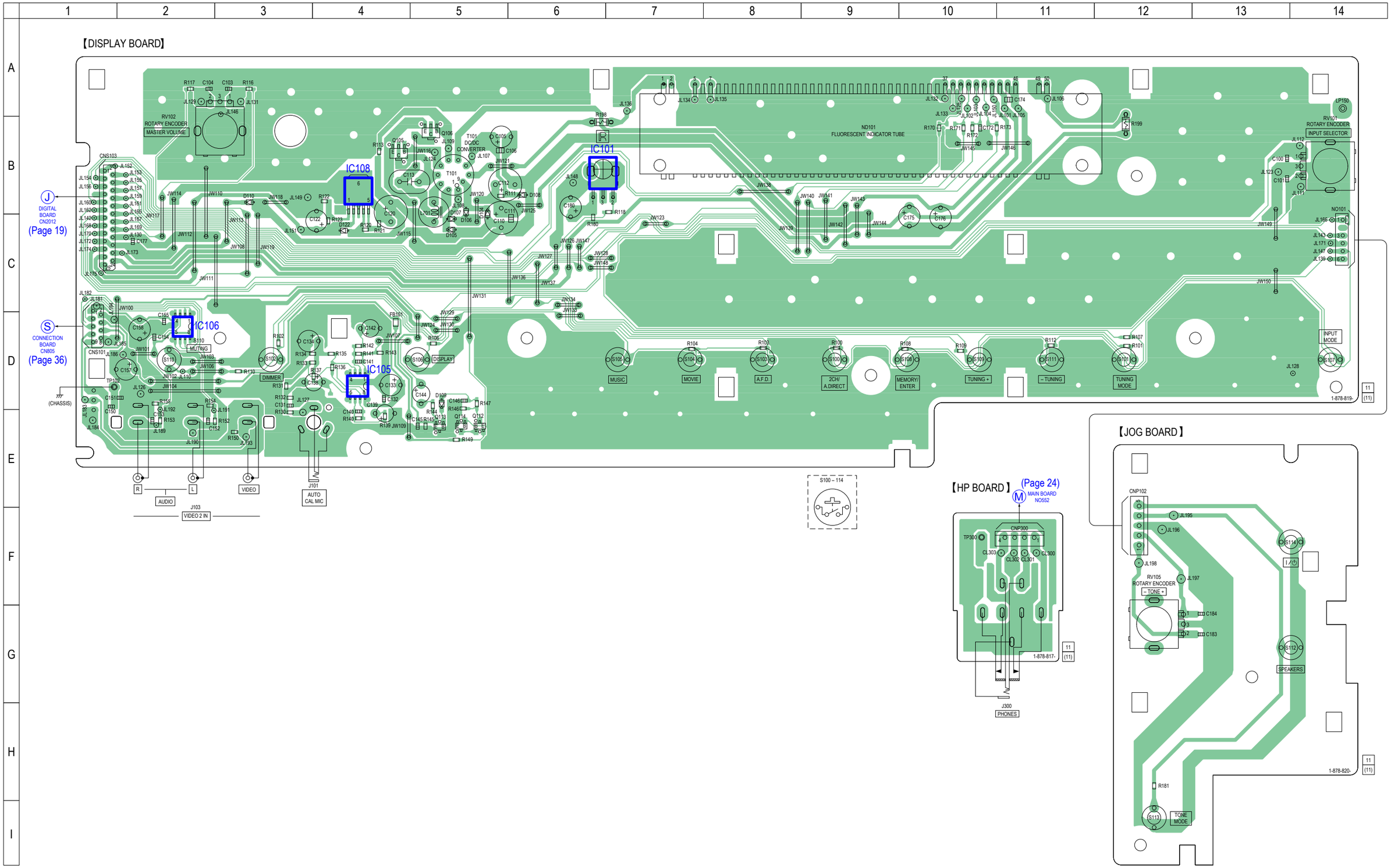
5-27. SCHEMATIC DIAGRAM - CONNECTION Board -



5-28. PRINTED WIRING BOARDS - PANEL Section -

• See page 17 for Circuit Boards Location. • : Uses unleaded solder.

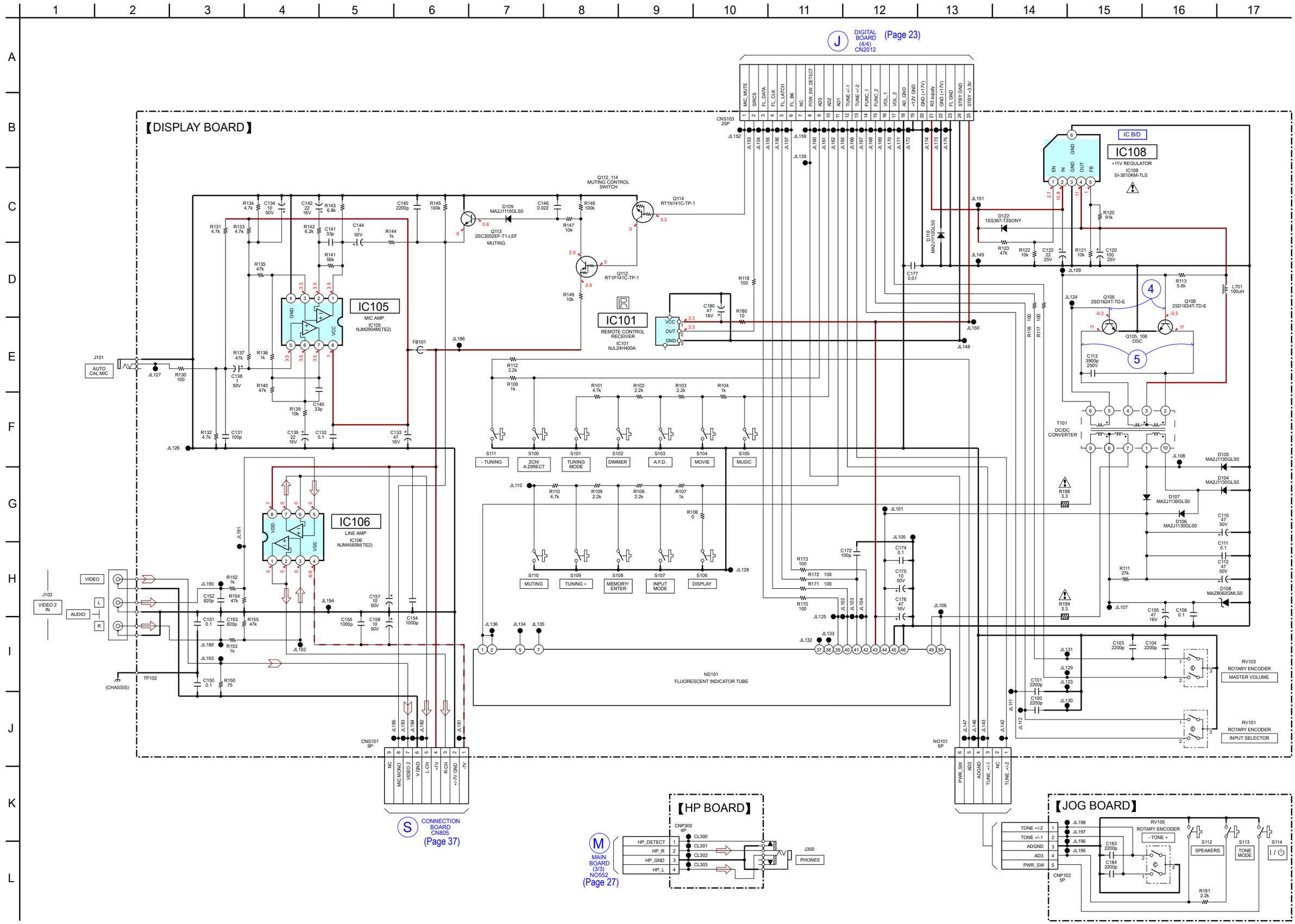
【DISPLAY BOARD】



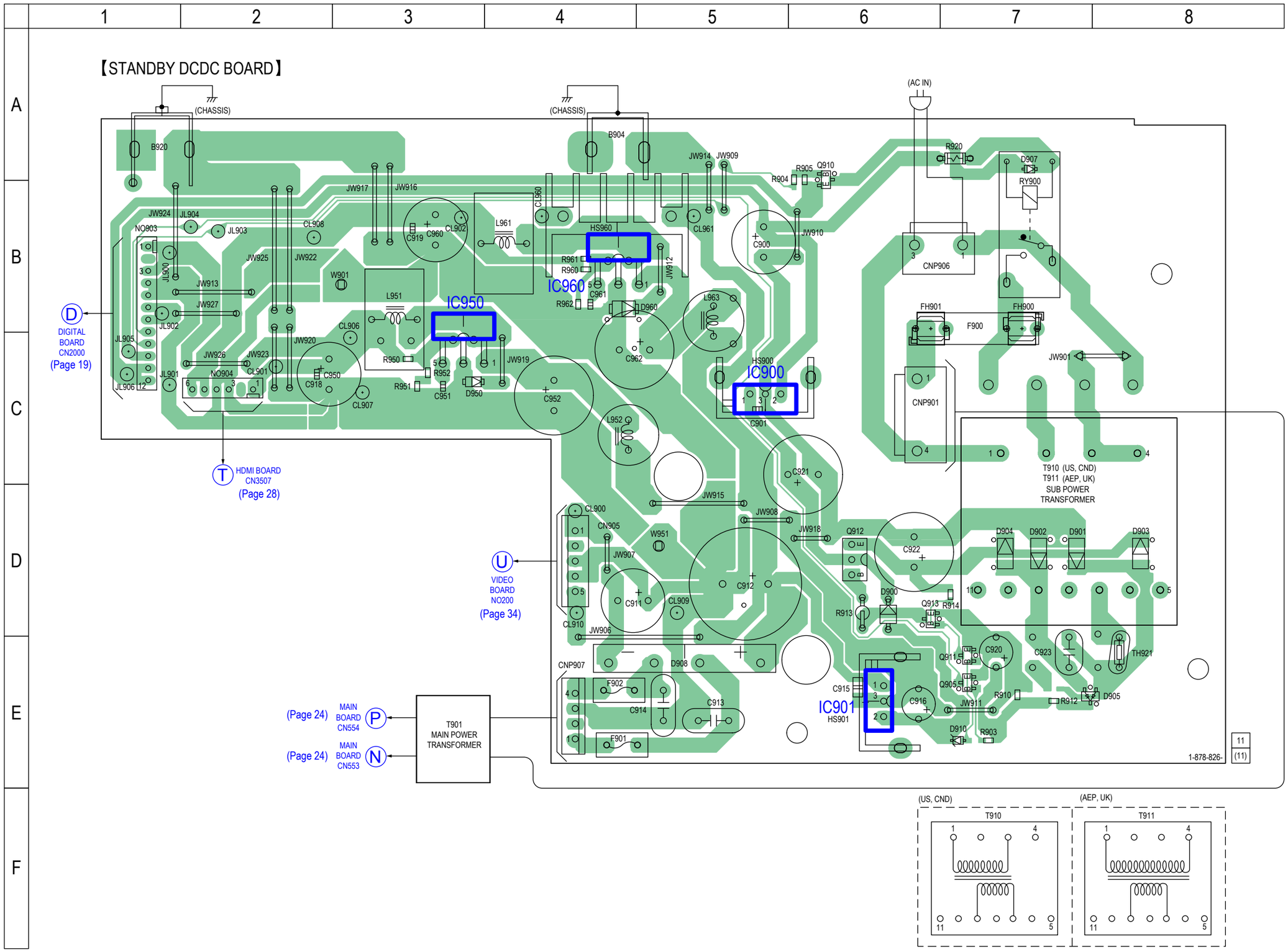
【HP BOARD】 (Page 24)

【JOG BOARD】

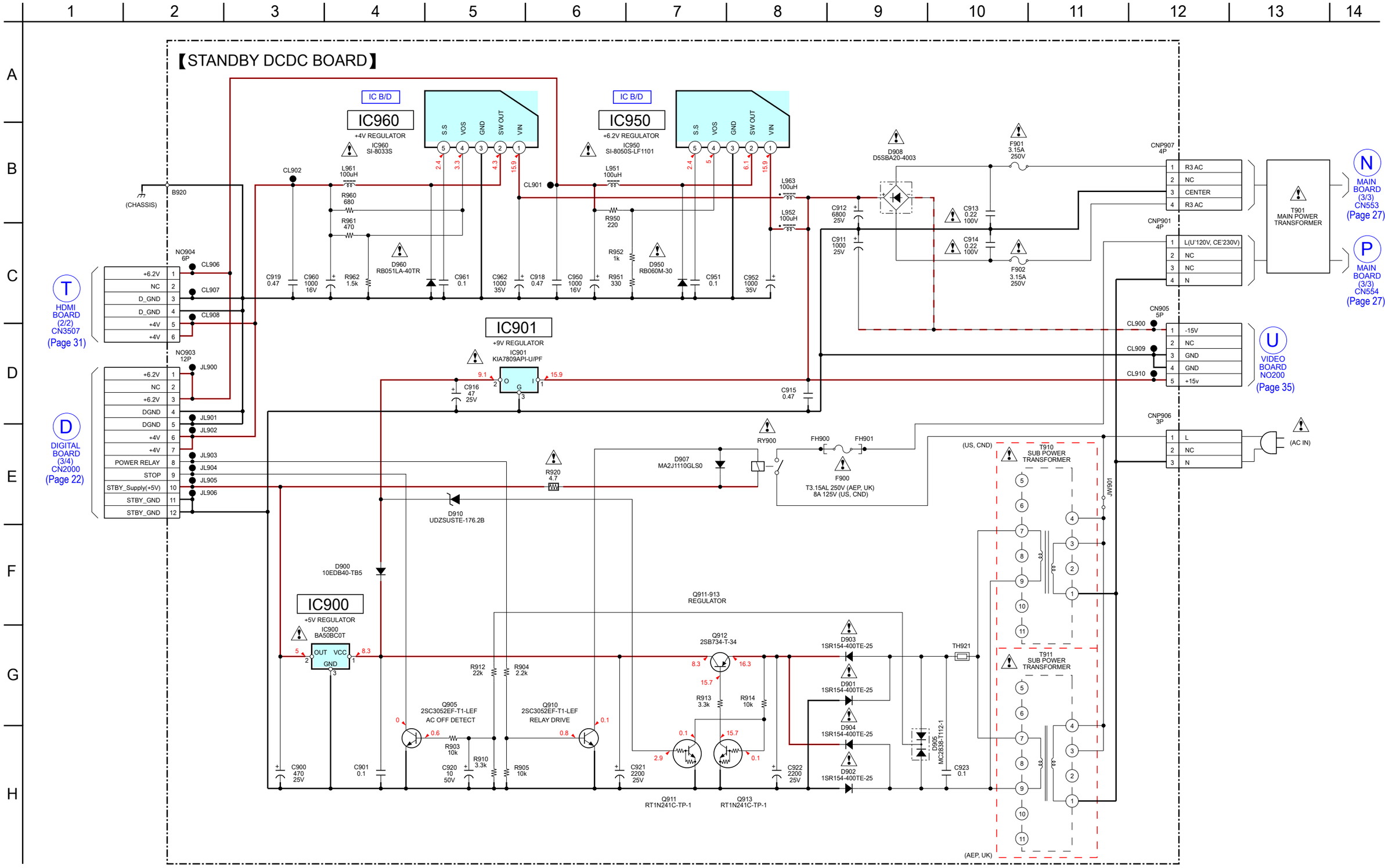
5-29. SCHEMATIC DIAGRAM - PANEL Section - • See page 36 for waveforms. • See page 42 for IC Block Diagrams.



5-30. PRINTED WIRING BOARD - STANDBY DCDC Board - • See page 17 for Circuit Boards Location. • : Uses unleaded solder.

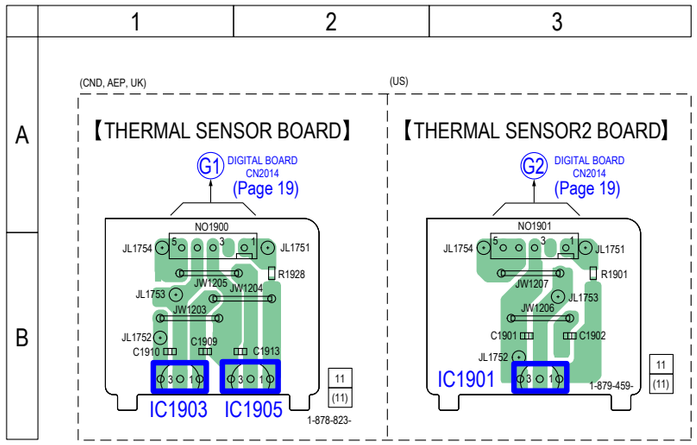


5-31. SCHEMATIC DIAGRAM - STANDBY DCDC Board - • See page 42 for IC Block Diagrams.

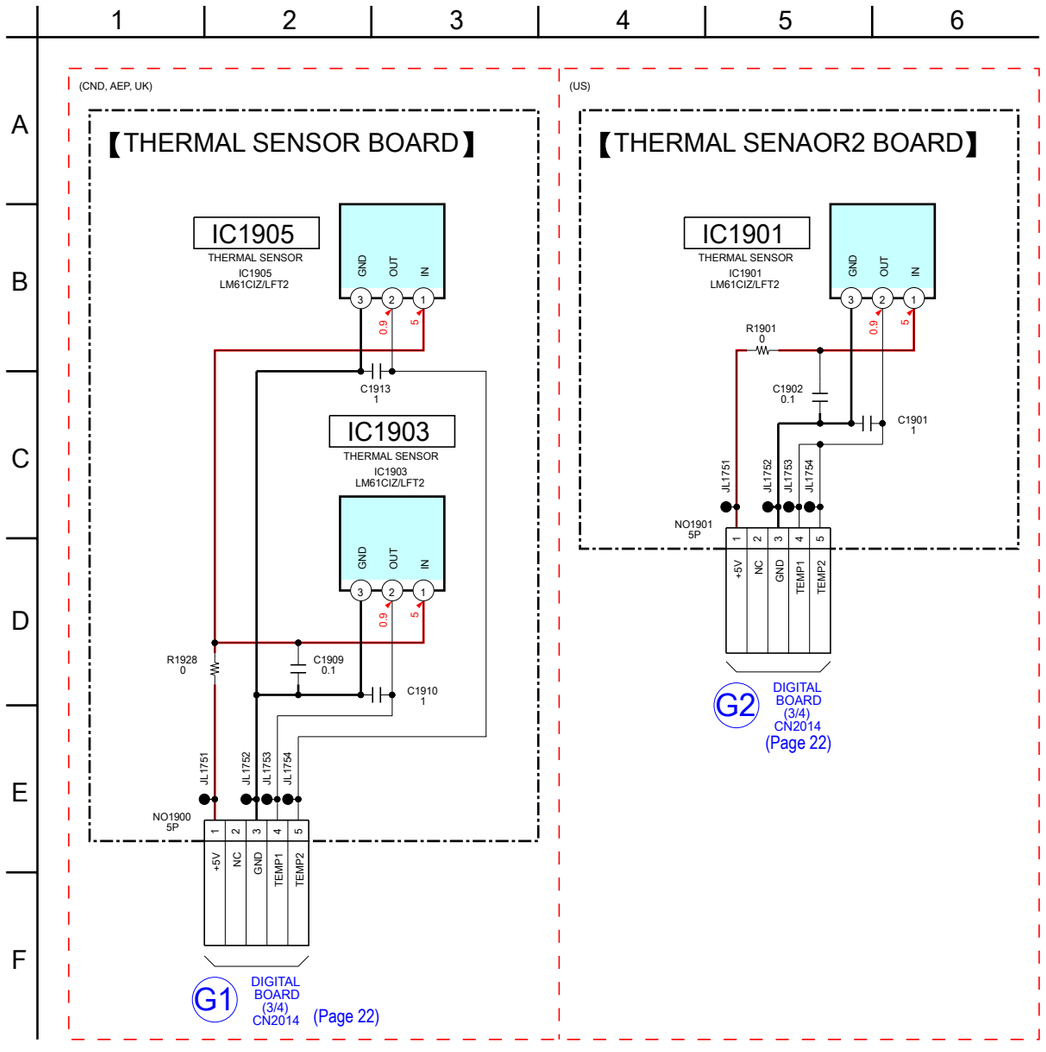


5-32. PRINTED WIRING BOARD - THERMAL SENSOR Section -

• See page 17 for Circuit Boards Location. • : Uses unleaded solder.



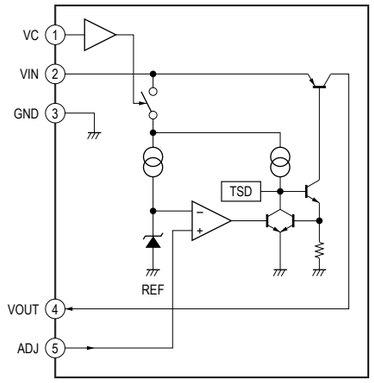
5-33. SCHEMATIC DIAGRAM - THERMAL SENSOR Section -



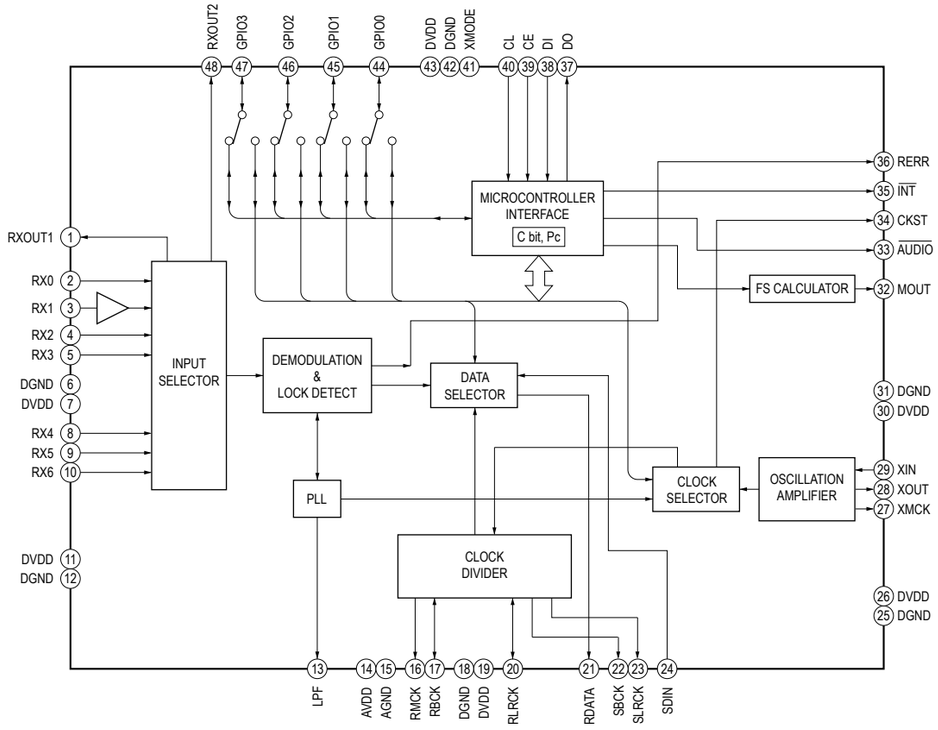
• IC Block Diagrams

– DIGITAL Board –

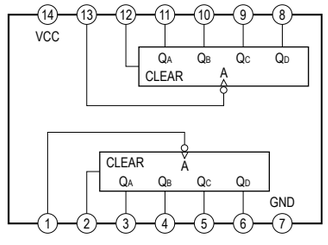
IC2005 SI-3010KM-TLS
IC2016 SI-3050KM-TLS
IC2017 SI-3033KM-TLS



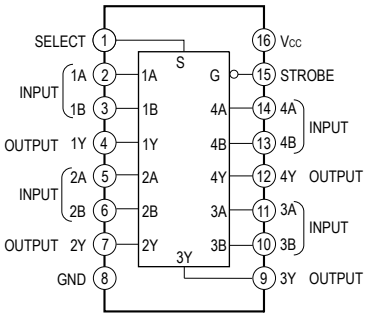
IC2006 LC89058W-E



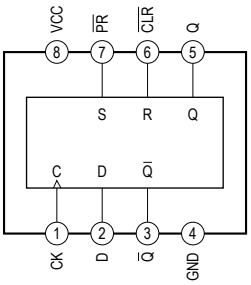
IC2007 TC74VHC393FT (EL)



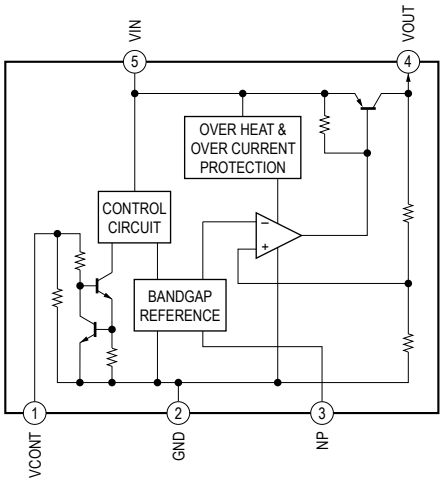
IC2008 TC74VHC157FT (EL)
IC2023 TC74VHC157FT (EKJ)



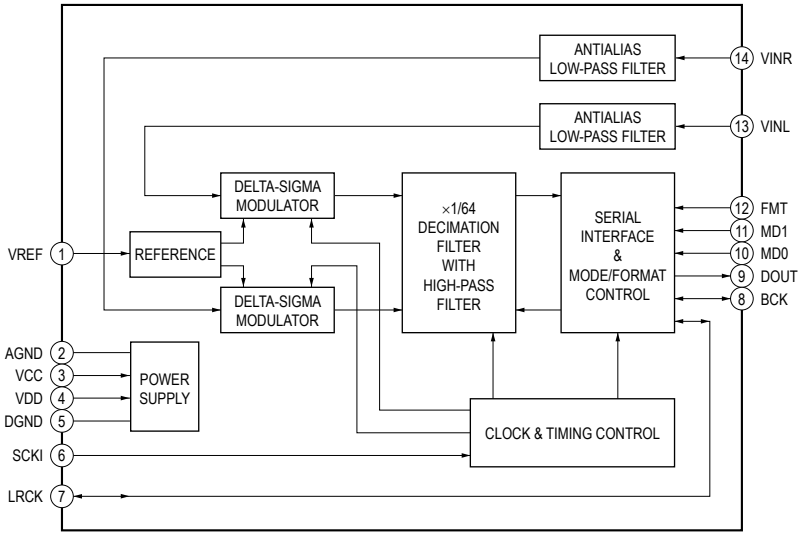
IC2009 TC7WH74FU (TE12R)



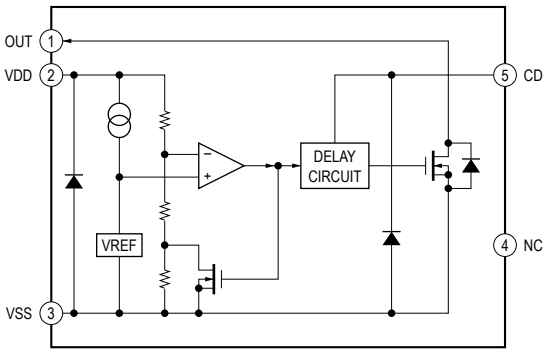
IC2010 TK11150CSCL-G



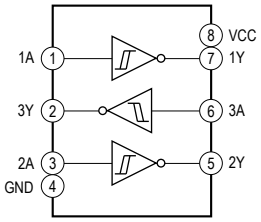
IC2012 PCM1808PWR



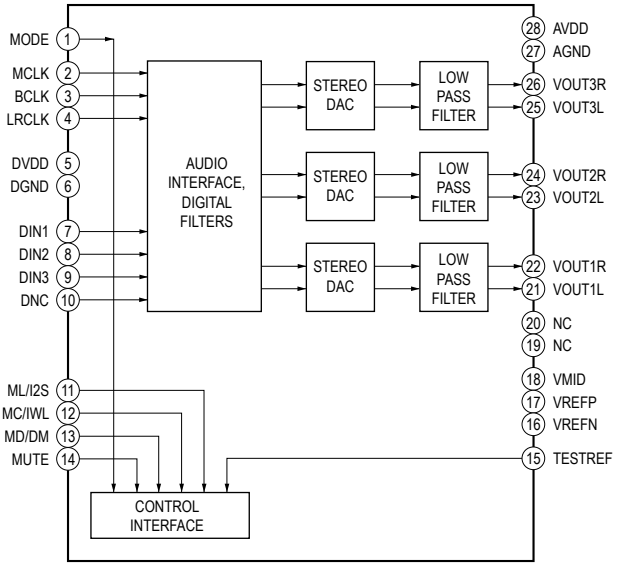
IC2020 S-80929CNMC-G8ZT2G



IC2021 TC7W14FU (TE12R)

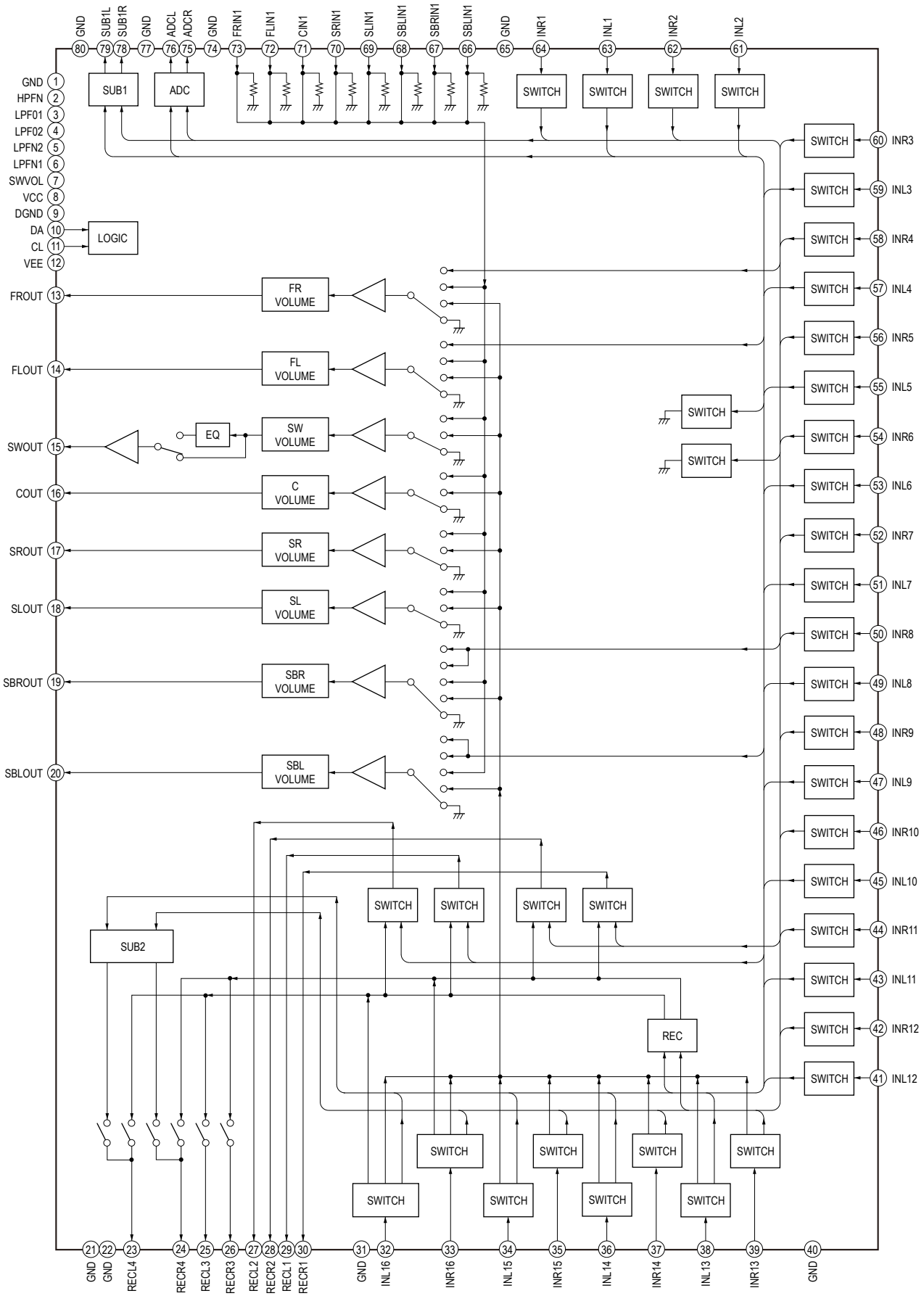


IC2024 WM8768GEDS/R

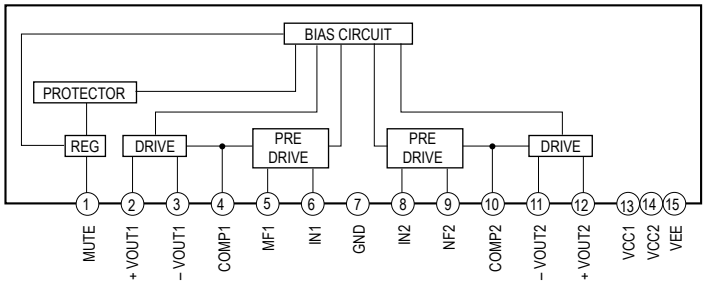


- MAIN Board -

IC551 BD3471KS2

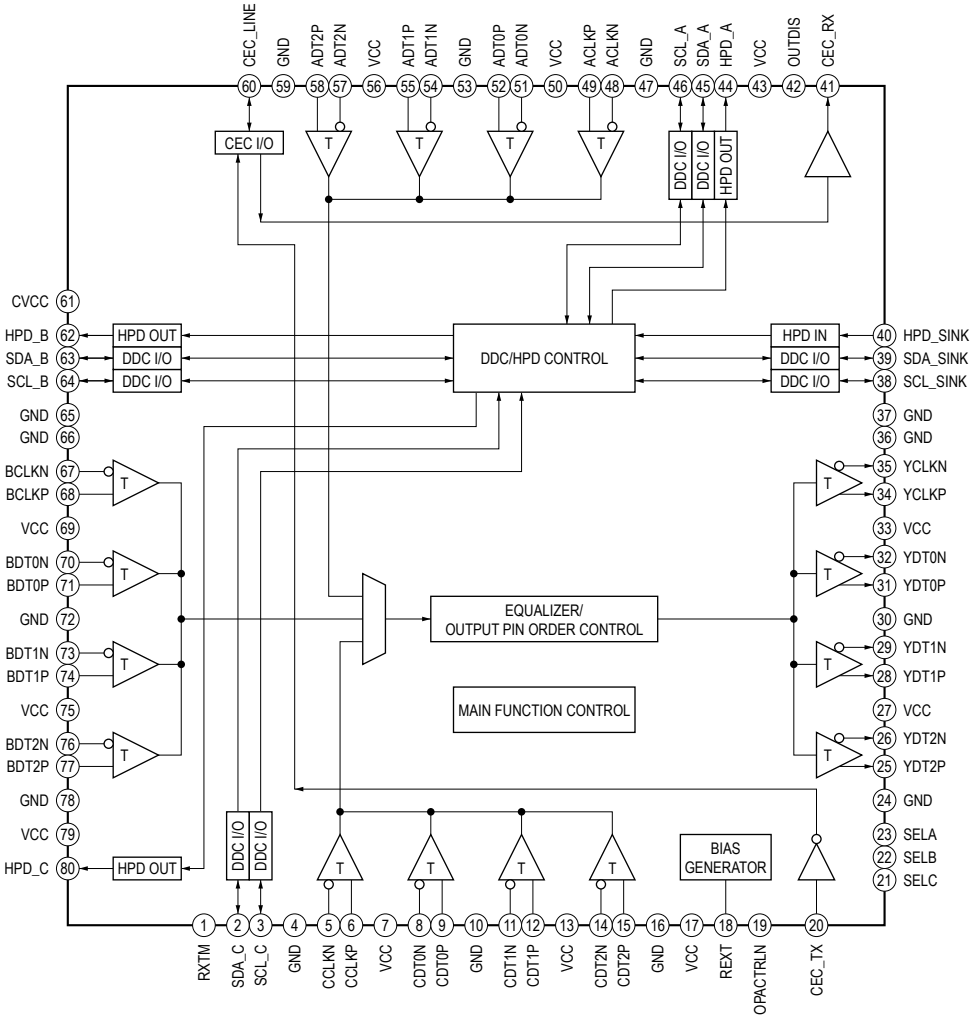


IC600 – 603 μPC2581V-S

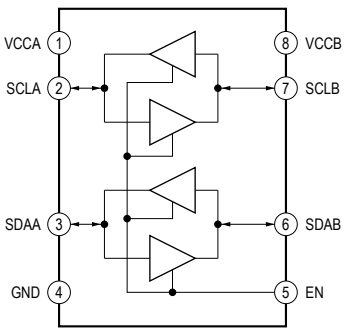


- HDMI Board -

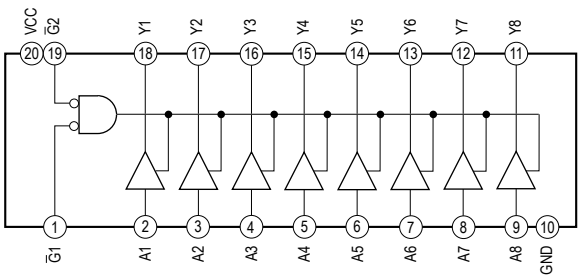
IC3501 CXB1444R-T6



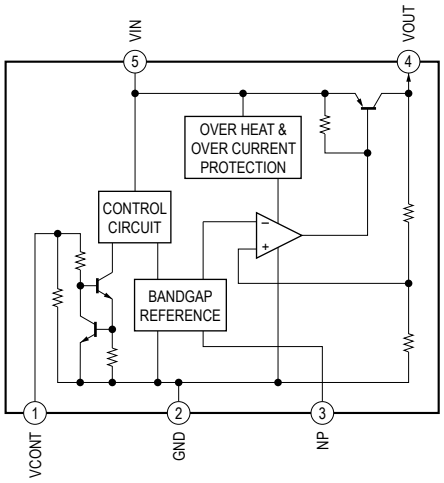
IC3502 PCA9517DP.118



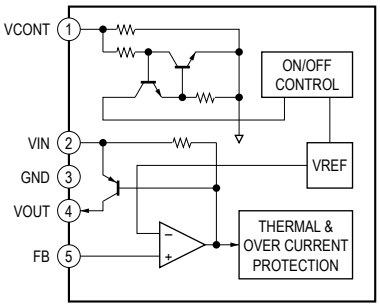
IC3507 TC74VHC541FT (EL)



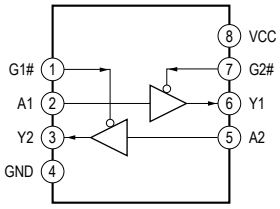
IC3509, 3510 TK11150CSCL-G



IC3511, 3512 TK73400AU3G0L-C

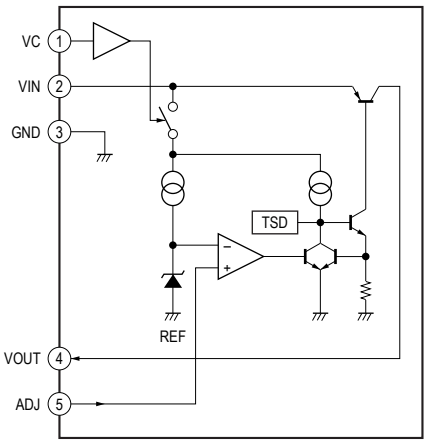


IC3513 TC7WT125FU (TE12R)



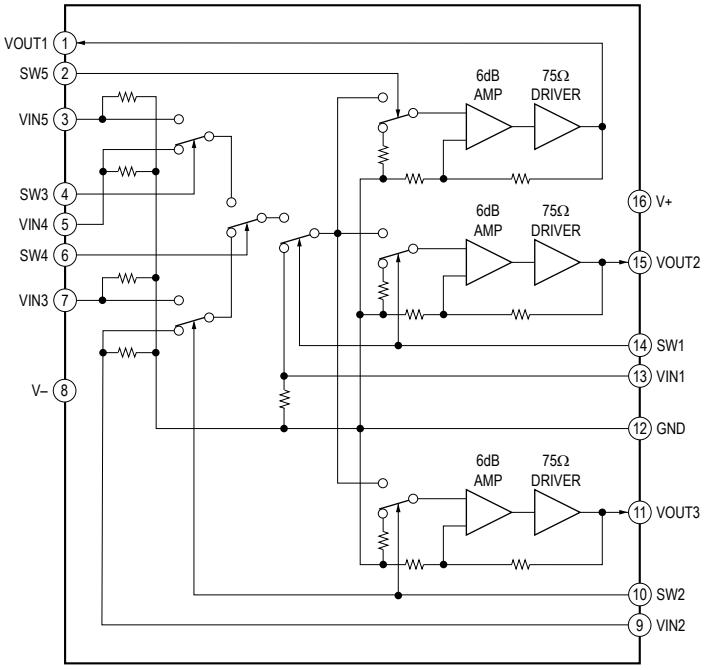
- DSP Board -

IC5028 SI-3010KM-TLS

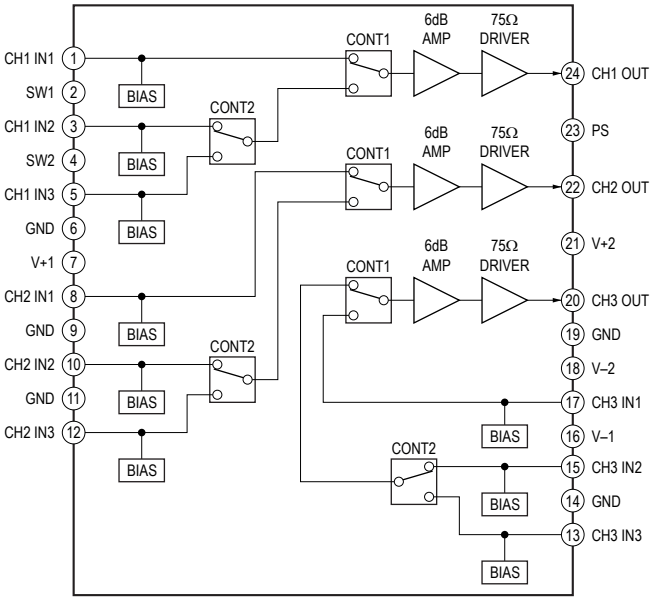


- VIDEO Board -

IC210 NJM2595M-TE2

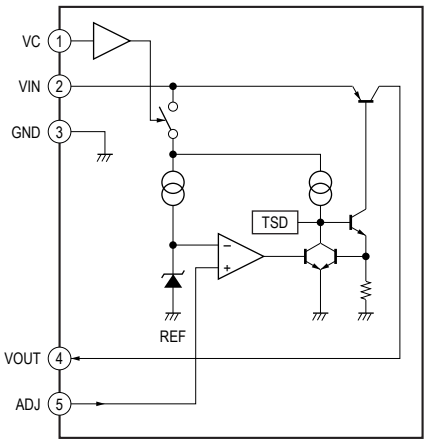


IC220 NJM2586AM



- DISPLAY Board -

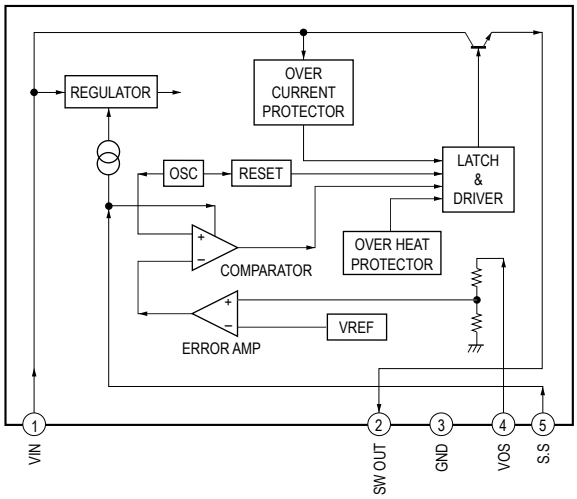
IC108 SI-3010KM-TLS



- STANDBY DCDC Board -

IC950 SI-8050S-LF1101

IC960 SI-8033S



- **IC Pin Function Description**

DIGITAL BOARD IC2018 MB91F467RAPMC-GE1 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	VSS	-	Ground terminal
2	NO_USE	-	Not used
3	CEC_IN	I	CEC serial data input from the HDMI connector
4	VUCOM_SDA (I2C)	I/O	I2C data bus with the HDMI controller
5	VUCOM_SCL (I2C)	O	I2C clock signal output to the HDMI controller
6	FLI_DATA/N1	-	Not used
7	FLI_CLK/N1	-	Not used
8	CEC_OUT	O	CEC serial data output to the HDMI connector
9	UPDATE SW/N1	-	Not used
10	FLI STBY/N1	-	Not used
11, 12	VCC3_(3.3V)	-	Power supply terminal (+3.3V)
13	VSS_(GND)	-	Ground terminal
14	C_1	-	External capacitor connection terminal for internal regulator
15	STOP	I	AC off detection signal input terminal “L”: AC off
16	POWER_RELAY	O	Relay drive signal (for main power) output terminal “H”: relay on
17	HDMI_ERROR	I	Error signal input from the HDMI controller and HDMI receiver
18	H_RESET	O	Reset signal output to the HDMI controller
19	DAC_RESET	-	Not used
20	GPI01/N1	-	Not used
21	CNVSS	-	Not used
22	HSYNC_SEL/N1	-	Not used
23	FLI_RESET/N1	-	Not used
24	GPI02/N1	-	Not used
25	NO_USE	-	Not used
26	HP_DETECT	I	Headphone plug insert detection signal input terminal “H”: headphone plug is inserted
27	HP_RELEY	O	Relay drive signal (for headphone) output terminal “H”: relay on
28	NMIX	-	Not used
29	C_SURR_RELEY	O	Relay drive signal (for center and surround) output terminal “H”: relay on
30	SW_PREOUT_RELEY	O	Relay drive signal (for subwoofer) output terminal “H”: relay on
31	FRONT_A_RELEY	O	Relay drive signal (for front A) output terminal “H”: relay on
32	SBL_SBR_BIAMP_ RELEY	O	Relay drive signal (for surround back) output terminal “H”: relay on
33	BRIDGABEL_RELEY	O	Relay drive signal (for power supply) output terminal “H”: relay on
34, 35	NO_USE	-	Not used
36	VCC3_(3.3V)	-	Power supply terminal (+3.3V)
37	C_2	-	External capacitor connection terminal for internal regulator
38	VSS_(GND)	-	Ground terminal
39	X0_ (CLOCK_IN)	I	Main system clock input terminal (4 MHz)
40	X1_(CLOCK_OUT)	O	Main system clock output terminal (4 MHz)
41	VSS_(GND)	-	Ground terminal
42	X0A_(SUB_CLOCK_IN)	I	Sub system clock input terminal Not used
43	X1A_ (SUB_CLOCK_OUT)	O	Sub system clock output terminal Not used
44	VCC3_(3.3V)	-	Power supply terminal (+3.3V)
45	VSS_(GND)	-	Ground terminal
46	DAC_SDA/N1	-	Not used
47	DAC_SCL/N1	-	Not used
48	MIC_MUTE	O	Microphone muting on/off control signal output terminal “H”: muting on
49	FL_BK	O	Blanking period signal output to the fluorescent indicator tube
50 to 52	NO_USE	-	Not used
53	TUNE+/-1	I	Jog dial pulse input from the rotary encoder (A phase input) (for TONE)
54	TUNE+/-2	I	Jog dial pulse input from the rotary encoder (B phase input) (for TONE)
55	FUNC_1	I	Jog dial pulse input from the rotary encoder (A phase input) (for INPUT SELECTOR)
56	FUNC_2	I	Jog dial pulse input from the rotary encoder (B phase input) (for INPUT SELECTOR)

Pin No.	Pin Name	I/O	Description
57	VCC3_(3.3V)	-	Power supply terminal (+3.3V)
58	VSS_(GND)	-	Ground terminal
59	VOL_1	I	Jog dial pulse input from the rotary encoder (A phase input) (for MASTER VOLUME)
60	VOL_2	I	Jog dial pulse input from the rotary encoder (B phase input) (for MASTER VOLUME)
61	NO_USE	-	Not used
62 to 65	COMPOSITE_SW4 to COMPOSITE_SW1	O	Composite video selection signal output to the video amplifier
66, 67	COMPONENT_SW1, COMPONENT_SW2	O	Component video selection signal output to the video amplifier
68	V_MUTE	O	Video muting control signal output to the video amplifier
69	PROTECT	I	Protect detection signal input terminal
70	E_VOL_DATA	O	Serial data output to the electrical volume
71	E_VOL_CLK	O	Serial data transfer clock signal output to the electrical volume
72	NO_USE	-	Not used
73	VCC3_(3.3V)	-	Power supply terminal (+3.3V)
74	VSS_(GND)	-	Ground terminal
75 to 83	NO_USE	-	Not used
84	COMPO_ON/OFF	-	Not used
85	VMUTE	-	Not used
86	COMPO_DET	-	Not used
87	VIDEO_DET	-	Not used
88	VSS_(GND)	-	Ground terminal
89	VCC3_(3.3V)	-	Power supply terminal (+3.3V)
90	TUNER_RDS_DATA	I	RDS serial data input from the tuner (FM/AM) (AEP and UK models only)
91	TUNER_MISO	I	Serial data input from the tuner (FM/AM)
92	TUNER_CLK	O	Serial data transfer clock signal output to the tuner (FM/AM)
93	TUNER_MOSI	O	Serial data output to the tuner (FM/AM)
94	TUNER_CE	O	Serial data latch pulse signal output to the tuner (FM/AM)
95	TUNER_SD	I	FM stereo detection signal input from the tuner (FM/AM)
96	SAIR_SELECT	-	Not used
97	WDRESETX	O	Watch dog timer reset output terminal Not used
98 to 100	AD_1 to AD_3	I	Front panel key input terminal (A/D input)
101, 102	THERMAL1, THERMAL2	I	Thermal detection signal input from the thermal sensor
103	MAIN_LIMITER	I	Limiter detection signal input terminal
104	VERSION	I	Destination setting terminal
105	COM_CLK	O	Serial data transfer clock signal output to the digital audio interface receiver and D/A converter
106	DAC_LATCH	O	Serial data latch pulse signal output to the D/A converter
107	COM_DATA	O	Serial data output to the digital audio interface receiver and D/A converter
108	DAC_MUTE	O	Muting control signal output to the D/A converter
109	S_AIR_RESET	O	Reset signal output to the wireless transmitter (EZW-T100)
110	S_AIR_ADC_SEL	O	A/D converter selection signal output to the wireless transmitter (EZW-T100)
111	SRC_MUTE	O	Sampling rate converter muting signal output to the wireless transmitter (EZW-T100)
112	S_AIR_DETECT	I	Wireless transmitter (EZW-T100) connection detection signal input terminal “L”: wireless transmitter (EZW-T100) is connected
113	NO_USE	-	Not used
114	AVSS/AVRL (ANALOG GND A/D)	-	Ground terminal (for A/D converter)
115	AVCC3(3.3V A/D)	-	Power supply terminal (+3.3V) (for A/D converter)
116	AVRH (STANDARD PS A/D)	I	Reference voltage (+3.3V) input terminal (for A/D converter)
117	S_AIR_SDA (I2C)	I/O	Two-way I2C data bus with the wireless transmitter (EZW-T100)
118	S_AIR_SCL (I2C)	I/O	Two-way I2C clock bus with the wireless transmitter (EZW-T100)
119	S_AIR_INT	I	Interrupt signal input from wireless transmitter (EZW-T100)
120	NO_USE	-	Not used
121	POWER_SWITCH	I	Power switch input terminal
122	DIR_XMODE	O	Reset signal output to the digital audio interface receiver “L”: reset

Pin No.	Pin Name	I/O	Description
123	SIRCS	I	SIRCS signal input from the remote control receiver
124	DIR_CE	O	Chip enable signal output to the digital audio interface receiver
125	DIR_DO	I	Serial data input from the digital audio interface receiver
126	DIR_ERROR	I	PLL lock error signal and data error flag input from the digital audio interface receiver
127 to 130	MD3 to MD0	-	Mode setting terminal Fixed at “L” in this set
131	INITX	I	System reset signal input from the reset signal generator “L”: reset For several hundreds msec. after the power supply rises, “L” is input, then it changes to “H”
132	VSS_(GND)	-	Ground terminal
133	VCC5	-	Power supply terminal (+3.3V)
134	SI_Rx	I	Serial data input terminal (use for Firmware Flash Program)
135	SO_Tx	O	Serial data output terminal (use for Firmware Flash Program)
136	NO_USE	-	Not used
137	RST_TRIGGER	O	Reset signal output terminal for the system controller “L”: reset
138	EEPROM_SDA	I/O	Two-way data bus with the EEPROM
139	EEPROM_SCL	O	Serial data transfer clock signal output to the EEPROM
140	FL_LATCH	O	Serial data latch pulse signal output to the fluorescent indicator tube
141	FL_DATA	O	Serial data latch pulse signal output to the fluorescent indicator tube
142	FL_CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
143	SIRIUS_MISO	I	Serial data input from the SIRIUS socket (US and Canadian models only)
144	SIRIUS_MOSI	O	Serial data output to the SIRIUS socket (US and Canadian models only)
145	SIRIUS_POWER_ENA	O	Power detection signal output to the SIRIUS socket (US and Canadian models only)
146	VSS_(GND)	-	Ground terminal
147	VCC5	-	Power supply terminal (+3.3V)
148	DMPORT_MISO	I	Serial data input from the DMPORT connector
149	DMPORT_MOSI	O	Serial data output to the DMPORT connector
150	DMPORT_DETECT	I	DMPORT adapter connection detection signal input terminal “H”: DMPORT adapter is connected
151	SPI0_MISO	I	Serial data input from the serial flash and DSP
152	SPI0_MOSI	O	Serial data output to the serial flash and DSP
153	SPI0_CLK	O	Serial data transfer clock signal output to the serial flash and DSP
154 to 156	NO_USE	-	Not used
157	DIR_CKST#	I	Clock selection signal input from the digital audio interface receiver
158	DIR_SIGNAL	I	Audio serial data input from the digital audio interface receiver
159	DIGI_DATA_MUTE	O	Muting control signal output terminal
160	ANA_DIGI	O	Analog/digital selection signal output terminal
161	VSS_(GND)	-	Ground terminal
162	VCC5	-	Power supply terminal (+3.3V)
163	TUNER_RDS_INT (CLK)	I	RDS serial data transfer clock signal input from the tuner (FM/AM) (AEP and UK models only)
164, 165	NO_USE	-	Not used
166	DSP_INT	I	Interrupt signal input from the DSP
167, 168	NO_USE	-	Not used
169	FSRATE	I	L/R sampling clock signal input from the digital audio interface receiver and HDMI receiver
170	DIR_HDMI_SELECT	O	Digital audio interface receiver/HDMI receiver signal selection signal output terminal
171	SPI0_ENA	O	Chip enable signal output to the DSP
172	SFLASH_CE#	O	Chip enable signal output to the serial flash
173	SFLASH_HOLD	O	Hold signal output to the serial flash
174	SPI0_CS#	O	Chip select signal output to the DSP
175	DSP_RESET	O	Reset signal output to the DSP “L”: reset
176	VCC5	-	Power supply terminal (+3.3V)

HDMI BOARD IC3000 R5F3640DDFBR-128 (HDMI CONTROLLER)

Pin No.	Pin Name	I/O	Description
1 to 5	NC	O	Not used
6	BYTE	I	External data bus width selection signal input terminal "L": 16 bit Fixed at "L" in this set
7	CNVSS	I	Processor mode selection signal input terminal "L": single chip mode Fixed at "L" in this set
8, 9	NC	O	Not used
10	RESET	I	Reset signal input from the system controller "L": reset
11	XOUT	O	System clock output terminal (10 MHz)
12	VSS	-	Ground terminal
13	XIN	I	System clock input terminal (10 MHz)
14	VCC_3.3V	-	Power supply terminal (+3.3V)
15	NMI	I	Non-maskable interrupt signal input terminal Not used
16 to 18	NC	O	Not used
19	RX_RST	O	Reset signal output to the HDMI receiver "L": reset
20	RX_INT	I	Interrupt signal input from the HDMI receiver
21	1444_HPD	O	Hot plug detection control signal output to the HDMI input selector
22	HPD_IN1	O	Hot plug detection control signal output to the HDMI IN 1 connector
23 to 26	NC	O	Not used
27	CSCL	O	I2C clock signal output to the EEPROM, HDMI receiver and HDMI transmitter
28	CSDA	I/O	I2C data bus with the EEPROM, HDMI receiver and HDMI transmitter
29	232COUT (VU TX)	O	Serial data output terminal for RS-232C
30	232CIN (VU RX)	I	Serial data input terminal for RS-232C
31	CLK 1	O	Not used
32	RTS 1	O	Not used
33	VUCOM_SDA	I/O	I2C data bus with the system controller
34	VUCOM_SCL	I	I2C clock signal input from the system controller
35	EDID_SELA	O	Write protect signal output to the EEPROM
36	EDID_SELB	O	Input data selection signal output to the data selector
37 to 39	NC	O	Not used
40	VDAC_RESET	O	Not used
41	TX_5VPWR	O	Power supply on/off control signal output terminal for HDMI OUT connector "H": power on
42	TX_RST	O	Reset signal output to the HDMI transmitter "L": reset
43	TX_INT	I	Interrupt signal input from the HDMI transmitter
44 to 50	NC	O	Not used
51 to 53	1444_SELA to 1444_SELC	O	HDMI input selection signal output to the HDMI input selector
54	1444_OEB	O	Output enable signal output to the HDMI input selector
55, 56	P5V_SELA, P5V_SELB	O	HDMI +5V power input selection signal output terminal
57 to 59	NC	O	Not used
60	VCC_3.3V	-	Power supply terminal (+3.3V)
61	NC	O	Not used
62	VSS	-	Ground terminal
63	NC	O	Not used
64	NON LPCM	O	Non-LPCM setting signal output to the DSP "L": LPCM
65	MUTE	O	Error signal output to the system controller and DSP
66 to 90	NC	O	Not used
91 to 93	MODEL_SW3 to MODEL_SW1	I	Model setting terminal
94	AVSS	-	Ground terminal
95	NC	O	Not used
96	VREF	I	Reference voltage (+3.3V) input terminal
97	AVCC	-	Power supply terminal (+3.3V)
98 to 100	NC	O	Not used

HDMI BOARD IC3506 SII9135ACTU (HDMI RECEIVER)

Pin No.	Pin Name	I/O	Description
1 to 3	Q10 to Q8	O	Serial data output to the HDMI transmitter
4	IOGND	-	Ground terminal
5	ODCK	O	Output data clock signal output to the HDMI transmitter
6	IOVCC33	-	Power supply terminal (+3.3V)
7 to 10	Q7 to Q4	O	Serial data output to the HDMI transmitter
11	CGND	-	Ground terminal
12	CVCC18	-	Power supply terminal (+1.8V)
13 to 16	Q3 to Q0	O	Serial data output to the HDMI transmitter
17	IOGND	-	Ground terminal
18	IOVCC33	-	Power supply terminal (+3.3V)
19	DE	O	Data enable signal output to the HDMI transmitter
20	HSYNC	O	Horizontal sync signal output to the HDMI transmitter
21	VSYNC	O	Vertical sync signal output to the HDMI transmitter
22	EVNODD	-	Not used
23	CGND	-	Ground terminal
24, 25	CVCC18	-	Power supply terminal (+1.8V)
26	CSDA	I/O	I2C data bus with the HDMI controller, EEPROM and HDMI transmitter
27	CSCL	I	I2C clock signal input from the HDMI controller
28	DSDA1	I/O	I2C data bus with the HDMI IN 1 connector and EEPROM
29	DSCL1	I	I2C clock signal input from the HDMI IN 1 connector
30	R1PWR5V	I	Power supply voltage (+5V) input from the HDMI IN 1 connector
31	IOGND	-	Ground terminal
32	IOVCC33	-	Power supply terminal (+3.3V)
33	DSDA0	I/O	I2C data bus with the HDMI input selector and EEPROM
34	DSCL0	I	I2C clock signal input from the HDMI input selector
35	R0PWR5V	I	Power supply voltage (+5V) input from the HDMI connector
36	AGND	-	Ground terminal
37	AVCC18	-	Power supply terminal (+1.8V)
38	AVCC33	-	Power supply terminal (+3.3V)
39	R0XC-	I	TMDS clock (negative) signal input from the HDMI input selector
40	R0XC+	I	TMDS clock (positive) signal input from the HDMI input selector
41	AGND	-	Ground terminal
42	AVCC33	-	Power supply terminal (+3.3V)
43	R0X0-	I	TMDS data (negative) input from the HDMI input selector
44	R0X0+	I	TMDS data (positive) input from the HDMI input selector
45	AGND	-	Ground terminal
46	AVCC33	-	Power supply terminal (+3.3V)
47	R0X1-	I	TMDS data (negative) input from the HDMI input selector
48	R0X1+	I	TMDS data (positive) input from the HDMI input selector
49	AGND	-	Ground terminal
50	AVCC33	-	Power supply terminal (+3.3V)
51	R0X2-	I	TMDS data (negative) input from the HDMI input selector
52	R0X2+	I	TMDS data (positive) input from the HDMI input selector
53	AGND	-	Ground terminal
54	AVCC18	-	Power supply terminal (+1.8V)
55	RSVDNC	-	Not used
56	AVCC33	-	Power supply terminal (+3.3V)
57	R1XC-	I	TMDS clock (negative) signal input from the HDMI IN 1 connector
58	R1XC+	I	TMDS clock (positive) signal input from the HDMI IN 1 connector
59	AGND	-	Ground terminal
60	AVCC33	-	Power supply terminal (+3.3V)
61	R1X0-	I	TMDS data (negative) input from the HDMI IN 1 connector
62	R1X0+	I	TMDS data (positive) input from the HDMI IN 1 connector
63	AGND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
64	AVCC33	-	Power supply terminal (+3.3V)
65	R1X1-	I	TMDS data (negative) input from the HDMI IN 1 connector
66	R1X1+	I	TMDS data (positive) input from the HDMI IN 1 connector
67	AGND	-	Ground terminal
68	AVCC33	-	Power supply terminal (+3.3V)
69	R1X2-	I	TMDS data (negative) input from the HDMI IN 1 connector
70	R1X2+	I	TMDS data (positive) input from the HDMI IN 1 connector
71	AGND	-	Ground terminal
72	AVCC18	-	Power supply terminal (+1.8V)
73	IOGND	-	Ground terminal
74	IOVCC33	-	Power supply terminal (+3.3V)
75	MUTEOUT	O	Error signal output to the system controller and DSP
76, 77	RSVDNC	-	Not used
78	SPDIF	O	S/PDIF signal output to the digital audio interface receiver and HDMI transmitter
79	CGND	-	Ground terminal
80	CVCC18	-	Power supply terminal (+1.8V)
81 to 84	SD0 to SD3	O	PCM audio signal output to the HDMI transmitter and DSP
85	WS	O	L/R sampling clock signal output to the system controller, HDMI transmitter and DSP
86	SCK	O	Bit clock signal output to the HDMI transmitter and DSP
87	IOGND	-	Ground terminal
88	IOVCC33	-	Power supply terminal (+3.3V)
89	MCLK	O	Master clock signal output to the D/A converter, HDMI transmitter and DSP
90	CGND	-	Ground terminal
91	CVCC18	-	Power supply terminal (+1.8V)
92	DVCC18	-	Power supply terminal (+1.8V)
93	DGND2	-	Ground terminal
94	XTALOUT	O	System clock output terminal (28.322 MHz)
95	XTALIN	I	System clock input terminal (28.322 MHz)
96	XTALVCC	-	Power supply terminal (+3.3V)
97	REGVCC	-	Power supply terminal (+3.3V)
98	RSVDNC	-	Not used
99	RSVDL	-	Not used
100	RESET#	I	Reset signal input from the HDMI controller “L”: reset
101	SCDT	-	Not used
102	INT	O	Interrupt signal output to the HDMI controller
103	IOGND	-	Ground terminal
104	IOVCC33	-	Power supply terminal (+3.3V)
105	CI2CA	-	Not used
106	CGND	-	Ground terminal
107	CVCC18	-	Power supply terminal (+1.8V)
108 to 111	Q35 to Q32	O	Serial data output to the HDMI transmitter
112	IOGND	-	Ground terminal
113	IOVCC33	-	Power supply terminal (+3.3V)
114 to 117	Q31 to Q28	O	Serial data output to the HDMI transmitter
118	CGND	-	Ground terminal
119	CVCC18	-	Power supply terminal (+1.8V)
120 to 123	Q27 to Q24	O	Serial data output to the HDMI transmitter
124	IOGND	-	Ground terminal
125	IOVCC33	-	Power supply terminal (+3.3V)
126 to 129	Q23 to Q20	O	Serial data output to the HDMI transmitter
130	CGND	-	Ground terminal
131	CVCC	-	Power supply terminal (+1.8V)
132 to 135	Q19 to Q16	O	Serial data output to the HDMI transmitter
136	IOGND	-	Ground terminal
137	IOVCC33	-	Power supply terminal (+3.3V)
138 to 141	Q15 to Q12	O	Serial data output to the HDMI transmitter

Pin No.	Pin Name	I/O	Description
142	CGND	-	Ground terminal
143	CVCC18	-	Power supply terminal (+1.8V)
144	Q11	O	Serial data output to the HDMI transmitter

HDMI BOARD IC3508 SII9134CTU (HDMI TRANSMITTER)

Pin No.	Pin Name	I/O	Description
1	DE	I	Data enable signal input from the HDMI receiver
2	HSYNC	I	Horizontal sync signal input from the HDMI receiver
3	VSYNC	I	Vertical sync signal input from the HDMI receiver
4	SPDIF	I	S/PDIF signal input from the HDMI receiver
5	MCLK	I	Master clock signal input from the HDMI receiver
6 to 9	SD3 to SD0	I	PCM audio signal input from the HDMI receiver
10	WS	I	L/R sampling clock signal input from the HDMI receiver
11	SCK	I	Bit clock signal input from the HDMI receiver
12	CVCC18	-	Power supply terminal (+1.8V)
13	GND	-	Ground terminal
14	IOVCC33	-	Power supply terminal (+3.3V)
15	DCLK	I	Not used
16	DR0	I	Not used
17	DL0	I	Not used
18	DR1	I	Not used
19	DL1	I	Not used
20	DR2	I	Not used
21	DL2	I	Not used
22	DR3	I	Not used
23	DL3	I	Not used
24	INT	O	Interrupt signal output to the HDMI controller
25	RESET#	I	Reset signal input from the HDMI controller “L”: reset
26	AGND	-	Ground terminal
27	EXT_SWG	-	Not used
28	PVCC1	-	Power supply terminal (+1.8V)
29	AGND	-	Ground terminal
30	TXC-	O	TMDS clock (negative) output to the HDMI OUT connector
31	TXC+	O	TMDS clock (positive) output to the HDMI OUT connector
32	AVCC18	-	Power supply terminal (+1.8V)
33	TX0-	O	TMDS data (negative) output to the HDMI OUT connector
34	TX0+	O	TMDS data (positive) output to the HDMI OUT connector
35	AGND	-	Ground terminal
36	TX1-	O	TMDS data (negative) output to the HDMI OUT connector
37	TX1+	O	TMDS data (positive) output to the HDMI OUT connector
38	AVCC18	-	Power supply terminal (+1.8V)
39	TX2-	O	TMDS data (negative) output to the HDMI OUT connector
40	TX2+	O	TMDS data (positive) output to the HDMI OUT connector
41	AGND	-	Ground terminal
42	PVCC2	-	Power supply terminal (+1.8V)
43	AGND	-	Ground terminal
44	AVCC33	-	Power supply terminal (+3.3V)
45	DCCPWR5V	I	Power supply voltage (+5V) input terminal
46	DSCL	O	I2C clock signal output to the HDMI OUT connector
47	DSDA	I/O	I2C data bus with the HDMI OUT connector
48	CSCL	I	I2C clock signal input from the HDMI controller
49	CSDA	I/O	I2C data bus with the HDMI controller, EEPROM, and HDMI receiver
50	CI2CA	-	Not used
51	HPD	I	Hot plug detection signal input from the HDMI OUT connector
52	TMODE	-	Not used
53	IOVCC33	-	Power supply terminal (+3.3V)
54	GND	-	Ground terminal
55	VPP18	-	Power supply terminal (+1.8V)
56 to 63	D35 to D28	I	Serial data input from the HDMI receiver
64	CVCC18	-	Power supply terminal (+1.8V)
65	GND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
66	IOVCC33	-	Power supply terminal (+3.3V)
67 to 75	D27 to D19	I	Serial data input from the HDMI receiver
76	CVCC18	-	Power supply terminal (+1.8V)
77 to 86	D18 to D9	I	Serial data input from the HDMI receiver
87	GND	-	Ground terminal
88	IDCK	I	Output data clock signal input from the HDMI receiver
89	IOVCC33	-	Power supply terminal (+3.3V)
90 to 98	D8 to D0	I	Serial data input from the HDMI receiver
99	CVCC18	-	Power supply terminal (+1.8V)
100	GND	-	Ground terminal

DSP BOARD IC5021 D790E002BZDH300 (DSP)

Pin No.	Pin Name	I/O	Description
A1	VSS	-	Ground terminal
A2	DVDD	-	Power supply terminal (+3.3V) (for IO)
A3	AFSX0	O	L/R sampling clock signal output to the D/A converter
A4	ACLKX0	O	Bit clock signal output to the wireless transmitter and D/A converter
A5	ACLKR0	I	Bit clock signal input from the digital audio interface receiver and HDMI receiver
A6	AXR0[14]/AXR2[1]	I	PCM audio signal input from the HDMI receiver
A7	VSS	-	Ground terminal
A8	AXR0[11]/AXR1[2]	I	PCM audio signal input from the A/D converter
A9	AXR0[9]/AXR1[4]/ SPI1_SIMO	I/O	Not used
A10	VSS	-	Ground terminal
A11	AXR0[6]/SPI1_ENA#	I/O	Not used
A12	AXR0[4]	I/O	Not used
A13, A14	AXR0[2], AXR0[0]	O	PCM audio signal output to the D/A converter
A15	DVDD	-	Power supply terminal (+3.3V) (for IO)
A16	VSS	-	Ground terminal
B1	DVDD	-	Power supply terminal (+3.3V) (for IO)
B2	UHPI_HBE[3]#	I	Not used
B3	AHCLKR0/AHCLKR1	I/O	Not used
B4	AFSR0	I	L/R sampling clock signal input from the digital audio interface receiver and HDMI receiver
B5 to B7	AXR0[15]/AXR2[0], AXR0[13]/AXR1[0], AXR0[12]/AXR1[1]	I	PCM audio signal input from the HDMI receiver
B8	AXR0[10]/AXR1[3]	I	PCM audio signal input from the digital audio interface receiver
B9	AXR0[8]/AXR1[5]/ SPI1_SOMI	I/O	Not used
B10	AXR0[7]/SPI1_CLK	I/O	Not used
B11	AXR0[5]/SPI1_SCS#	I/O	Not used
B12, B13	AXR0[3], AXR0[1]	O	PCM audio signal output to the D/A converter
B14	SPI0_SOMI	O	Serial data output to the system controller
B15	SPI0_SIMO	I	Serial data input from the system controller
B16	DVDD	-	Power supply terminal (+3.3V) (for IO)
C1	AMUTE0	O	Not used
C2	AHCLKX0/AHCLKX2	I	Master clock signal input from the digital audio interface receiver and HDMI receiver
C3	UHPI_HD[23]	I/O	Not used
C4 to C6	UHPI_HBE[2]# to HPI_HBE[0]#	I	Not used
C7	UHPI_HDS[2]#	I/O	Not used
C8	UHPI_HCS#	I/O	Not used
C9	UHPI_HAS#	I/O	Not used
C10	UHPI_HCNTL[1]	I/O	Not used
C11	AFSX2	I	Error signal input from the digital audio interface receiver, HDMI controller and HDMI receiver
C12	AFSR2	I	PCM audio data input from the digital audio interface receiver and HDMI controller
C13	ACLKR2	I/O	Not used
C14	AHCLKR2	I/O	Not used
C15	SPI0_SCS#	I	Chip select signal input from the system controller
C16	SPI0_CLK	I	Serial data transfer clock signal input from the system controller
D1	AHCLKX1	I/O	Not used
D2	AMUTE1	O	Not used
D3	UHPI_HD[22]	I/O	Not used
D4, D5	DVDD	-	Power supply terminal (+3.3V) (for IO)
D6	UHPI_HRDY#	I	Not used
D7	UHPI_HDS[1]#	I/O	Not used
D8	UHPI_HRW	I	Not used
D9	UHPI_HCNTL[0]	I	Not used
D10	AMUTE2_HINT#	O	Not used

Pin No.	Pin Name	I/O	Description
D11	ACLKX2	O	Interruput signal output to the system controller
D12, D13	DVDD	-	Power supply terminal (+3.3V) (for IO)
D14	EM_WAIT	I	Not used
D15	EM_OE#	O	Not used
D16	SPI0_ENA#	I	Chip enable signal input from the system controller
E1	ACLKR1	I	Bit clock signal input from the digital audio interface receiver and HDMI receiver
E2	ACLKX1	O	Bit clock signal output to the wireless transmitter and D/A converter
E3	UHPI_HD[21]	I/O	Not used
E4	DVDD	-	Power supply terminal (+3.3V) (for IO)
E5	VSS	-	Ground terminal
E6 to E11	CVDD	-	Power supply terminal (+1.26V) (for core)
E12	VSS	-	Ground terminal
E13	DVDD	-	Power supply terminal (+3.3V) (for IO)
E14	UHPI_HD[8]	I/O	Not used
E15	EM_CS[2]#	O	Not used
E16	EM_RW	O	Not used
F1	AFSR1	I	L/R sampling clock signal input from the digital audio interface receiver and HDMI receiver
F2	AFSX1	O	L/R sampling clock signal output to the D/A converter
F3, F4	UHPI_HD[19], UHPI_HD[20]	I/O	Not used
F5 to F12	VSS	-	Ground terminal
F13, F14	UHPI_HD[10], UHPI_HD[9]	I/O	Not used
F15	EM_CS[0]#	O	Chip select signal output to the SD-RAM
F16	EM_RAS#	O	Row address strobe signal output to the SD-RAM
G1	VSS	-	Ground terminal
G2	RESET#	I	Reset signal input from the system controller “L”: reset
G3, G4	UHPI_HD[17], UHPI_HD[18]	I/O	Not used
G5	CVDD	-	Power supply terminal (+1.26V) (for core)
G6 to G11	VSS	-	Ground terminal
G12	CVDD	-	Power supply terminal (+1.26V) (for core)
G13, G14	UHPI_HD[12], UHPI_HD[11]	I/O	Not used
G15	EM_BA[0]	O	Bank address signal output to the SD-RAM
G16	VSS	-	Ground terminal
H1	UHPI_HD[16]	I/O	Not used
H2	CLKIN	I	Not used
H3	VSS	-	Ground terminal
H4	UHPI_HD[31]	I/O	Not used
H5	CVDD	-	Power supply terminal (+1.26V) (for core)
H6 to H11	VSS	-	Ground terminal
H12	CVDD	-	Power supply terminal (+1.26V) (for core)
H13, H14	UHPI_HD[14], UHPI_HD[13]	I/O	Not used
H15	EM_A[10]	O	Address signal output to the SD-RAM
H16	EM_BA[1]	O	Bank address signal output to the SD-RAM
J1	OSCVSS	-	Ground terminal for oscillator
J2	OSCIN	I	System clock input terminal (25 MHz)
J3	OSCOUT	O	System clock output terminal (25 MHz)
J4	OSCVDD	-	Power supply terminal for oscillator
J5	CVDD	-	Power supply terminal (+1.26V) (for core)
J6 to J11	VSS	-	Ground terminal
J12	CVDD	-	Power supply terminal (+1.26V) (for core)
J13	UHPI_HD[15]	I/O	Not used
J14	DVDD	-	Power supply terminal (+3.3V) (for IO)
J15, J16	EM_A[1], EM_A[0]	O	Address signal output to the SD-RAM

Pin No.	Pin Name	I/O	Description
K1	VSS	-	Ground terminal
K2	PLLHV	-	Power supply terminal (+3.3V) (for PLL)
K3	TMS	I	Test mode selection signal input terminal (for JTAG)
K4	TRST#	I	Test reset signal input terminal (for JTAG)
K5	CVDD	-	Power supply terminal (+1.26V) (for core)
K6 to K11	VSS	-	Ground terminal
K12	CVDD	-	Power supply terminal (+1.26V) (for core)
K13, K14	UHPI_HD[0], UHPI_HD[1]	I/O	Not used
K15	EM_A[2]	O	Address signal output to the SD-RAM
K16	VSS	-	Ground terminal
L1	TDI	I	Test data input terminal (for JTAG)
L2 to L4	UHPI_HD[30] to UHPI_HD[28]	I/O	Not used
L5 to L12	VSS	-	Ground terminal
L13, L14	UHPI_HD[3], UHPI_HD[4]	I/O	Not used
L15, L16	EM_A[4], EM_A[3]	O	Address signal output to the SD-RAM
M1	EMU[0]#	I/O	Emulation terminal
M2	TDO	O	Test data output terminal (for JTAG)
M3	UHPI_HD[27]	I/O	Not used
M4	DVDD	-	Power supply terminal (+3.3V) (for IO)
M5	VSS	-	Ground terminal
M6 to M11	CVDD	-	Power supply terminal (+1.26V) (for core)
M12	VSS	-	Ground terminal
M13	DVDD	-	Power supply terminal (+3.3V) (for IO)
M14	UHPI_HD[2]	I/O	Not used
M15, M16	EM_A[6], EM_A[5]	O	Address signal output to the SD-RAM
N1	EMU1#	I/O	Emulation terminal
N2, N3	UHPI_HD[25], UHPI_HD[26]	I/O	Not used
N4	EM_D[22]	I/O	Two-way data bus with the SD-RAM
N5	DVDD	-	Power supply terminal (+3.3V) (for IO)
N6 to N11	EM_D[18], EM_D[16], EM_D[30], EM_D[29], EM_D[27], EM_D[25]	I/O	Two-way data bus with the SD-RAM
N12	DVDD	-	Power supply terminal (+3.3V) (for IO)
N13, N14	UHPI_HD[5], UHPI_HD[6]	I/O	Not used
N15, N16	EM_A[8], EM_A[7]	O	Address signal output to the SD-RAM
P1	TCK	I	Test clock signal input terminal (for JTAG)
P2	UHPI_HD[24]	I/O	Not used
P3 to P7	EM_D[21] to EM_D[19], EM_D[17], EM_D[31]	I/O	Two-way data bus with the SD-RAM
P8	DVDD	-	Power supply terminal (+3.3V) (for IO)
P9 to P11	EM_D[28], EM_D[26], EM_D[24]	I/O	Two-way data bus with the SD-RAM
P12	EM_A[12]	O	Address signal output terminal Not used
P13	EM_DQM[2]	O	Byte enable signal output to the SD-RAM
P14	UHPI_HD[7]	I/O	Not used
P15	EM_A[11]	O	Address signal output terminal Not used
P16	EM_A[9]	O	Address signal output to the SD-RAM
R1	DVDD	-	Power supply terminal (+3.3V) (for IO)
R2	EM_D[23]	I/O	Two-way data bus with the SD-RAM
R3	EM_CAS#	O	Column address strobe signal output to the SD-RAM
R4	EM_DQM[0]	O	Byte enable signal output to the SD-RAM

Pin No.	Pin Name	I/O	Description
R5 to R13	EM_D[6], EM_D[4], EM_D[2], EM_D[1], EM_D[15], EM_D[13], EM_D[12], EM_D[10], EM_D[8]	I/O	Two-way data bus with the SD-RAM
R14	EM_CLK	O	Clock signal output to the SD-RAM
R15	EM_DQM[3]	O	Byte enable signal output to the SD-RAM
R16	DVDD	-	Power supply terminal (+3.3V) (for IO)
T1	VSS	-	Ground terminal
T2	DVDD	-	Power supply terminal (+3.3V) (for IO)
T3	EM_WE#	O	Write enable signal output to the SD-RAM
T4 to T6	EM_D[7], EM_D[5], EM_D[3]	I/O	Two-way data bus with the SD-RAM
T7	VSS	-	Ground terminal
T8, T9	EM_D[0], EM_D[14]	I/O	Two-way data bus with the SD-RAM
T10	VSS	-	Ground terminal
T11, T12	EM_D[11], EM_D[9]	I/O	Two-way data bus with the SD-RAM
T13	EM_DQM[1]	O	Byte enable signal output to the SD-RAM
T14	EM_CKE	O	Clock enable signal output to the SD-RAM
T15	DVDD	-	Power supply terminal (+3.3V) (for IO)
T16	VSS	-	Ground terminal

SECTION 6
EXPLODED VIEWS

Note:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  CND : Canadian model

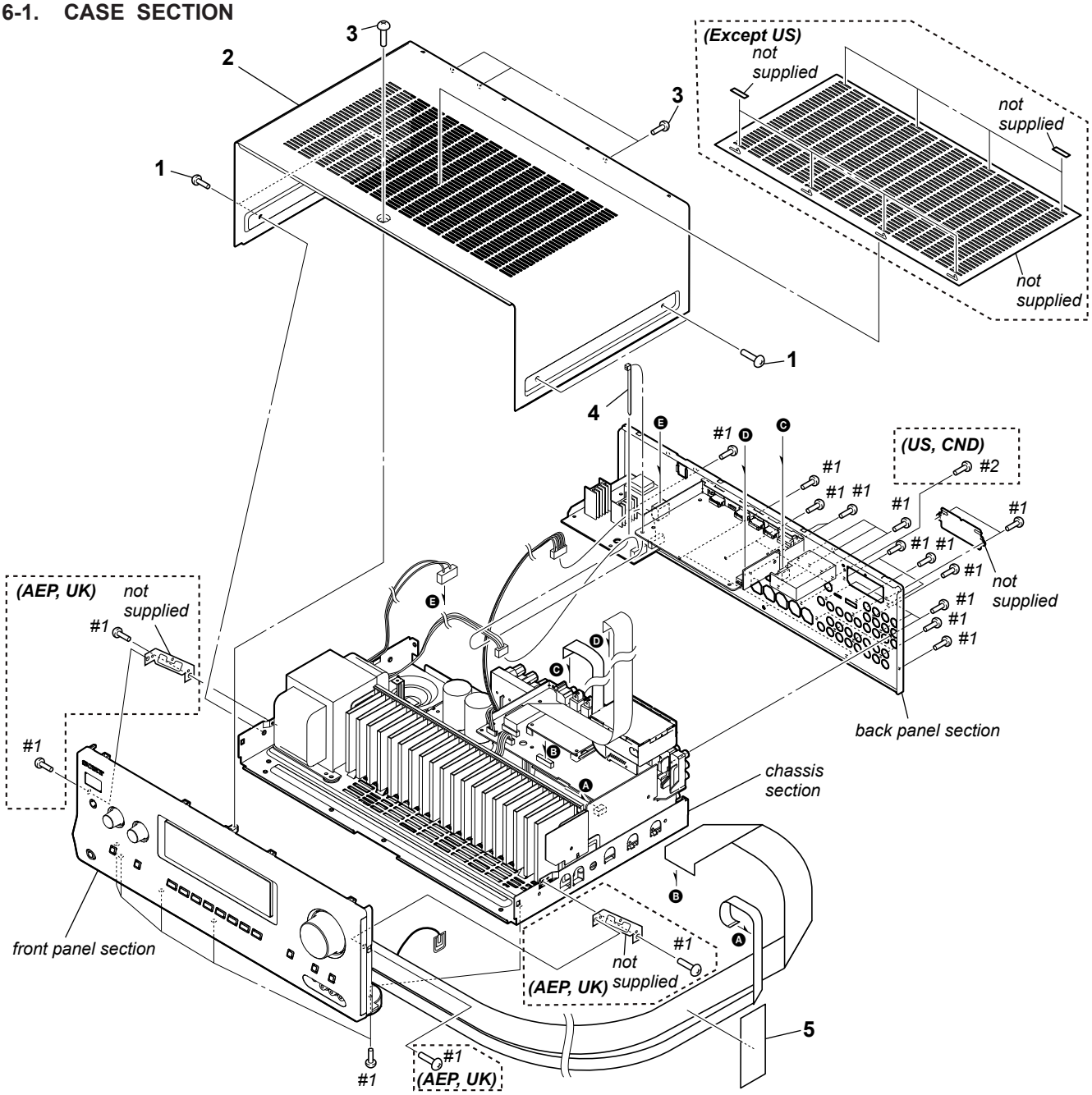
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

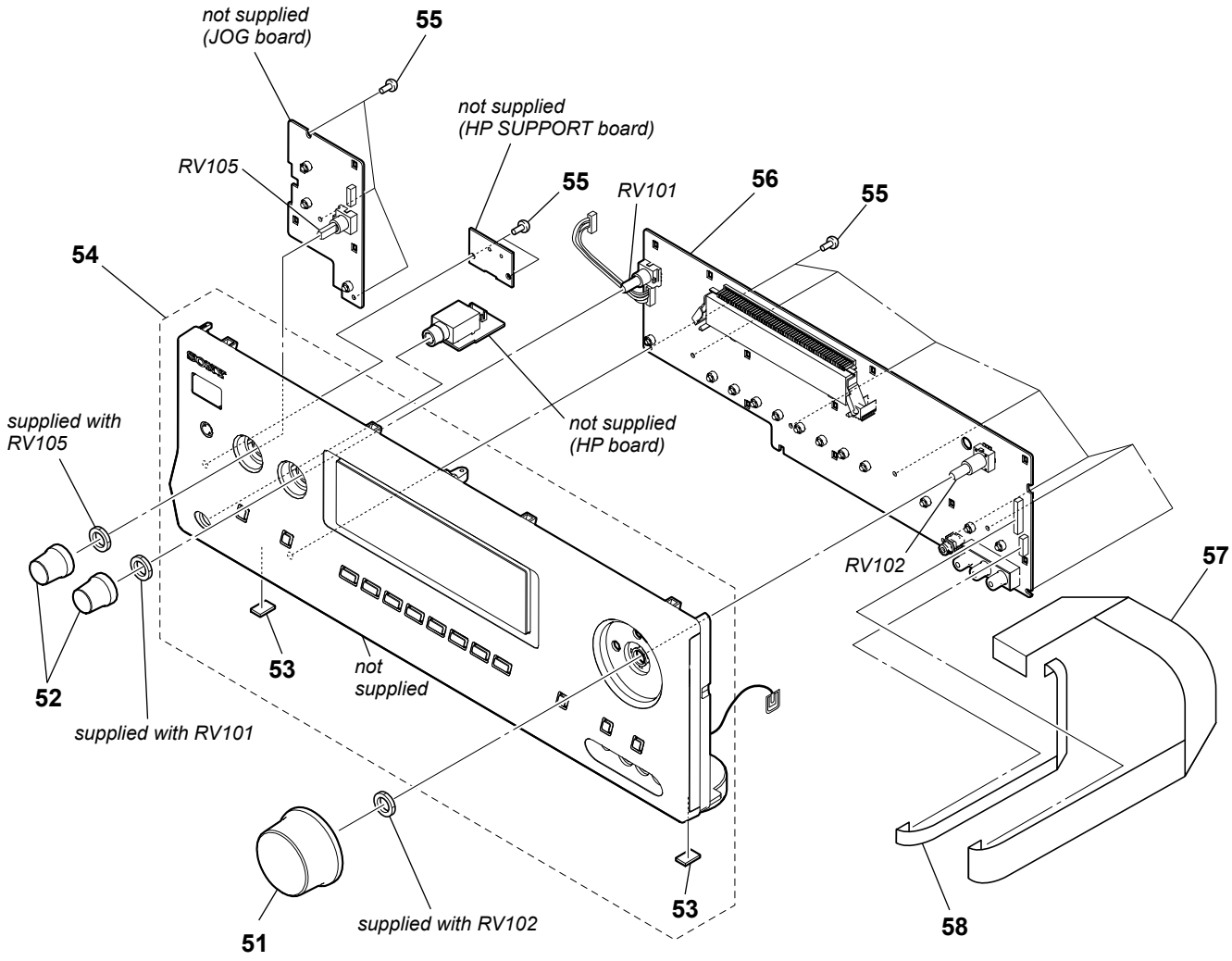
Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

6-1. CASE SECTION



Ref. No.	Part No.	Description	Remark
1	2-580-630-01	SCREW, +BVST 4X8	
2	2-661-145-91	CASE	
3	4-227-843-03	SCREW (TP), FLAT HEAD	
4	3-701-748-00	CLAMP	
5	3-831-441-11	CUSHION, SARANET	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-871-01	SCREW +BVTT 3X6 (S) (US, CND)	

6-2. FRONT PANEL SECTION

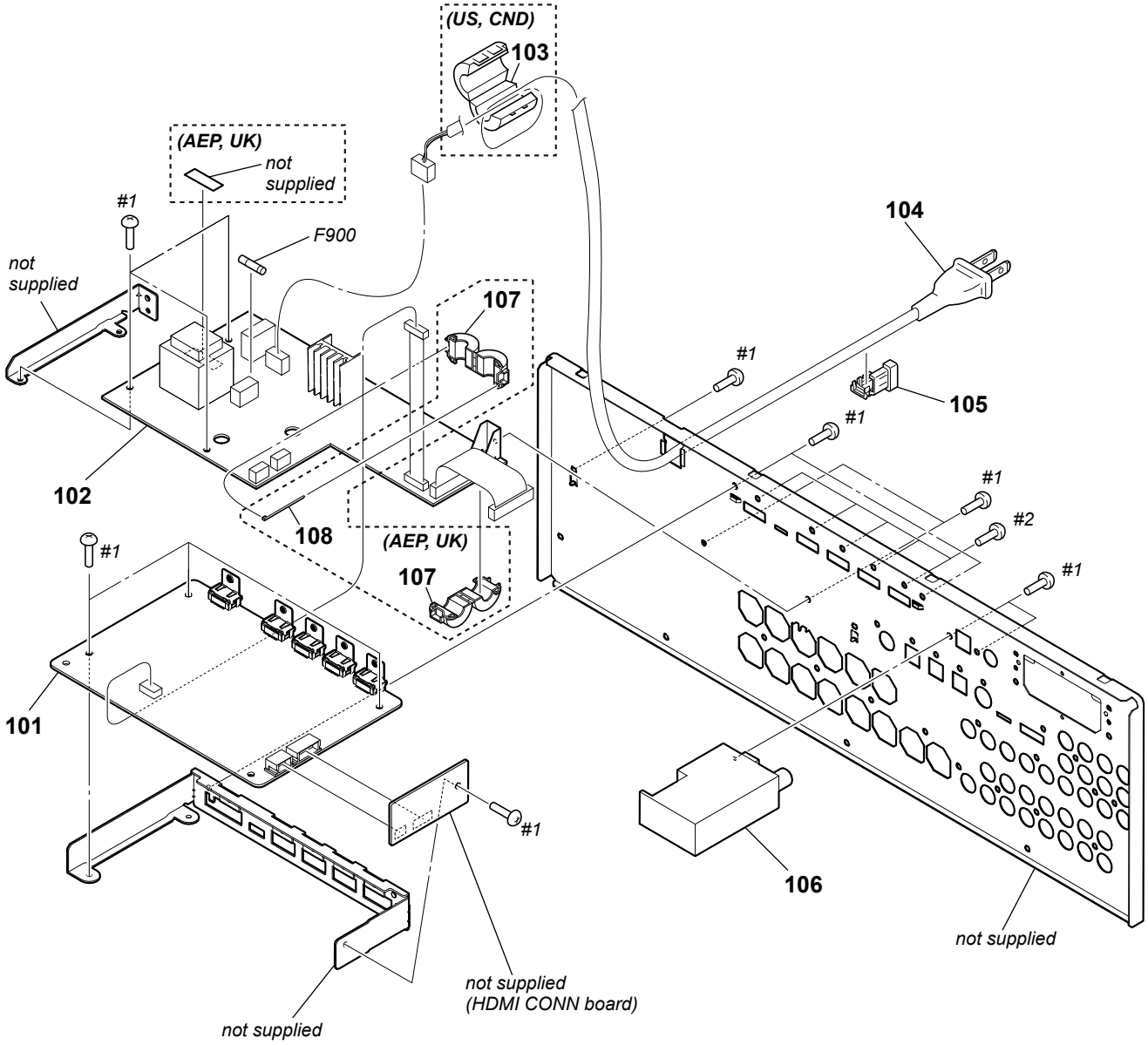


Note: If wire (flat type) is replaced, install it after bending it in the same form as that before replacement.

Ref. No.	Part No.	Description	Remark
51	4-124-321-01	KNOB, VOLUME (G53)	
52	4-125-404-01	KNOB, MENU (G73)	
53	4-977-358-01	CUSHION	
54	X-2342-649-1	FRONT PANEL ASSY (US)	
54	X-2342-650-1	FRONT PANEL ASSY (CND)	
54	X-2342-651-1	FRONT PANEL ASSY (AEP, UK)	
55	3-087-053-01	+BVTP2.6 (3CR)	

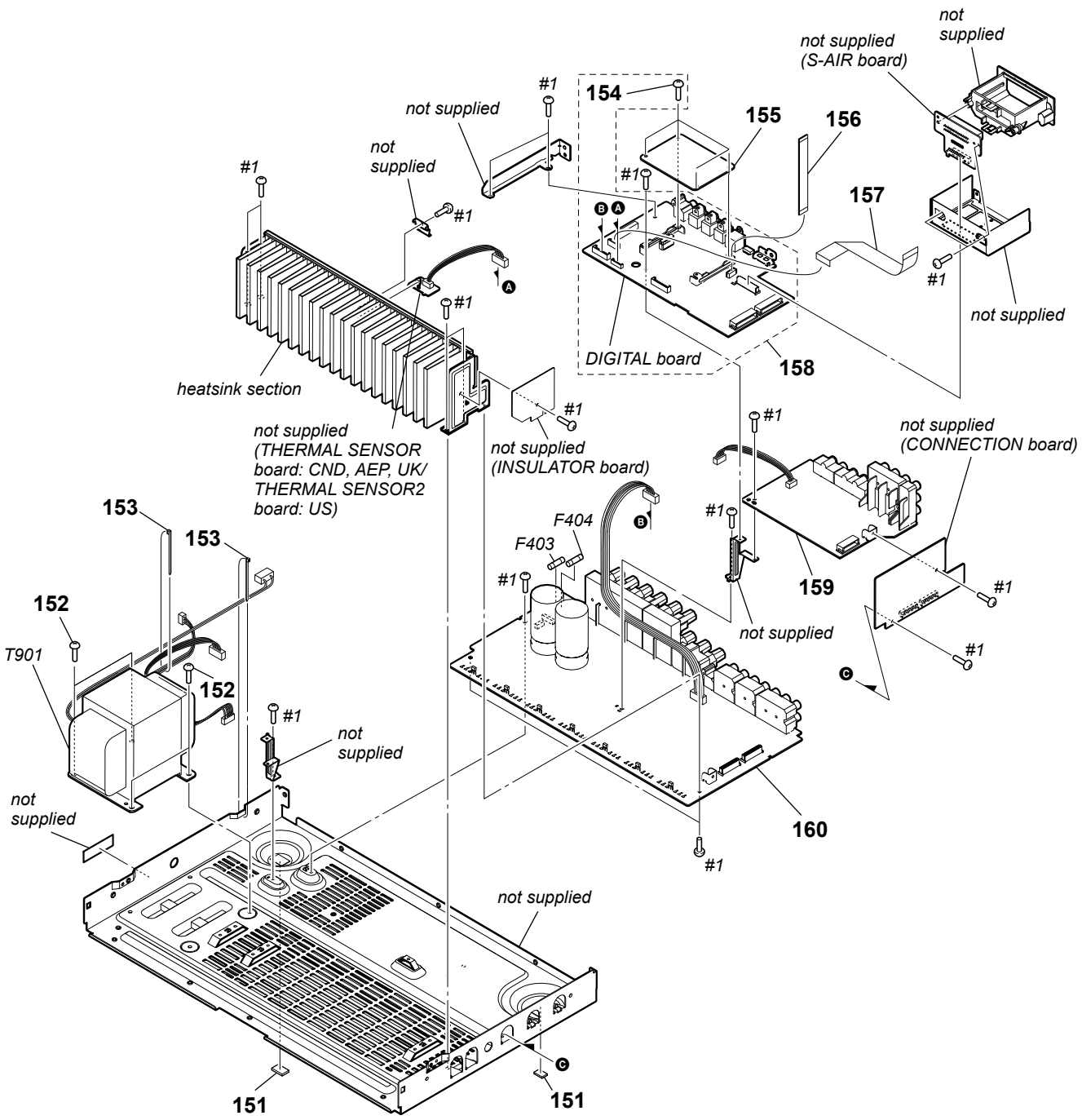
Ref. No.	Part No.	Description	Remark
56	A-1617-850-A	DISPLAY BOARD, COMPLETE	
57	1-828-654-11	WIRE (FLAT TYPE) (25 CORE)	
58	1-828-572-11	WIRE (FLAT TYPE) (9 CORE)	
RV101	1-418-817-21	ENCODER, ROTARY (INPUT SELECTOR)	
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)	
RV105	1-418-817-21	ENCODER, ROTARY (– TONE +)	

6-3. BACK PANEL SECTION



Ref. No.	Part No.	Description	Remark
101	A-1633-315-A	HDMI BOARD, COMPLETE (for SERVICE)	
102	A-1617-851-A	STANDBY DCDC BOARD, COMPLETE (US, CND)	
102	A-1617-852-A	STANDBY DCDC BOARD, COMPLETE (AEP, UK)	
103	1-500-386-11	FILTER, CLAMP (FERRITE CORE) (US, CND)	
⚠ 104	1-777-071-83	CORD, POWER (AEP, UK)	
⚠ 104	1-834-270-11	CORD, POWER (US, CND)	
105	3-703-244-00	CORD BUSH (2104)	
106	1-693-728-31	TUNER (FM/AM) (US, CND)	
106	1-693-737-21	TUNER (FM/AM) (AEP, UK)	
107	1-500-082-61	CLAMP, SLEEVE FERRITE (AEP, UK)	
108	3-701-748-00	CLAMP (AEP, UK)	
⚠ F900	1-532-465-33	FUSE (T3.15AL/250V) (AEP, UK)	
⚠ F900	1-533-311-12	FUSE, GLASS CYLINDRICAL (DIA. 5) (8A/125V)	(US, CND)
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-871-01	SCREW +BVTT 3X6 (S)	

6-4. CHASSIS SECTION

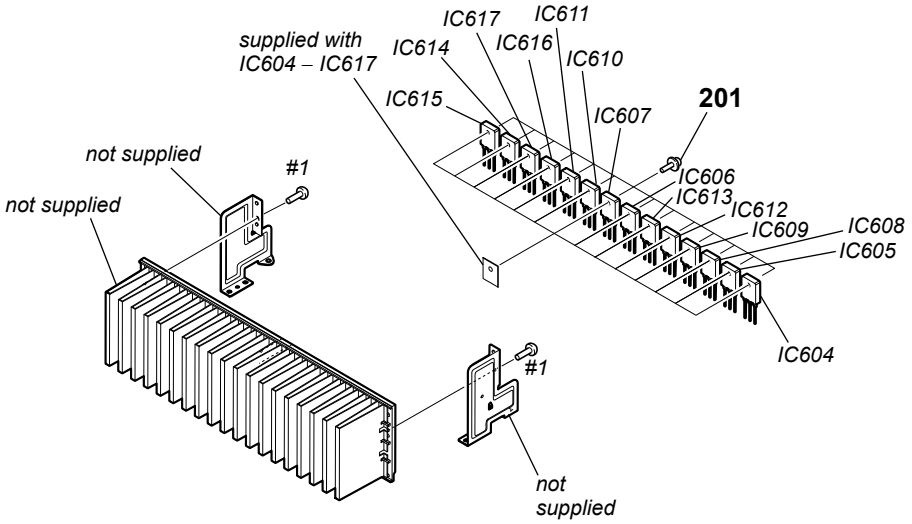


Note: If wire (flat type) is replaced, install it after bending it in the same form as that before replacement.

Ref. No.	Part No.	Description	Remark
151	4-977-358-01	CUSHION	
152	4-249-675-01	+BV SUMITITE S 4X6 ROUND	
153	3-701-748-00	CLAMP	
154	3-087-053-01	+BVTP2.6 (3CR)	
155	A-1732-547-A	DSP BOARD, COMPLETE	
156	1-828-954-11	WIRE (FLAT TYPE) (9 CORE) (US, CND)	
156	1-828-964-11	WIRE (FLAT TYPE) (11 CORE) (AEP, UK)	
157	1-828-610-11	WIRE (FLAT TYPE) (11 CORE)	
158	A-1617-874-A	DIGITAL BOARD, COMPLETE (US, CND)	
158	A-1617-875-A	DIGITAL BOARD, COMPLETE (AEP, UK)	

Ref. No.	Part No.	Description	Remark
159	A-1617-857-A	VIDEO BOARD, COMPLETE	
160	A-1617-841-A	MAIN BOARD, COMPLETE (AEP, UK)	
160	A-1617-842-A	MAIN BOARD, COMPLETE (US, CND)	
⚠ F403	1-532-506-33	FUSE (T6.3AL/250V)	
⚠ F404	1-532-506-33	FUSE (T6.3AL/250V)	
⚠ T901	1-445-651-11	POWER TRANSFORMER (US, CND)	
⚠ T901	1-445-652-11	POWER TRANSFORMER (AEP, UK)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

6-5. HEATSINK SECTION



Ref. No.	Part No.	Description		Remark
201	3-905-609-01	SCREW (TRANSISTOR)		
⚠ IC604	6-702-390-01	TRANSISTOR	MN2488-OPY-MK	
⚠ IC605	6-702-391-01	TRANSISTOR	MP1620-OPY-MK	
⚠ IC606	6-702-390-01	TRANSISTOR	MN2488-OPY-MK	
⚠ IC607	6-702-391-01	TRANSISTOR	MP1620-OPY-MK	
⚠ IC608	6-702-390-01	TRANSISTOR	MN2488-OPY-MK	
⚠ IC609	6-702-391-01	TRANSISTOR	MP1620-OPY-MK	
⚠ IC610	6-702-390-01	TRANSISTOR	MN2488-OPY-MK	
⚠ IC611	6-702-391-01	TRANSISTOR	MP1620-OPY-MK	

Ref. No.	Part No.	Description		Remark
⚠ IC612	6-702-390-01	TRANSISTOR	MN2488-OPY-MK	
⚠ IC613	6-702-391-01	TRANSISTOR	MP1620-OPY-MK	
⚠ IC614	6-702-390-01	TRANSISTOR	MN2488-OPY-MK	
⚠ IC615	6-702-391-01	TRANSISTOR	MP1620-OPY-MK	
⚠ IC616	6-702-390-01	TRANSISTOR	MN2488-OPY-MK	
⚠ IC617	6-702-391-01	TRANSISTOR	MP1620-OPY-MK	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		

CONNECTION | DIGITAL

SECTION 7
ELECTRICAL PARTS LIST

Note:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . , uPA. . , µPA. . ,
  uPB. . : µPB. . , uPC. . , µPC. . ,
  uPD. . : µPD. .
- Abbreviation
  CND : Canadian model

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

Ref. No.	Part No.	Description			Remark
		CONNECTION BOARD			
		**********			
		< CAPACITOR >			
C800	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C801	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C803	1-126-963-11	ELECT	4.7uF	20%	50V
C804	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C805	1-126-963-11	ELECT	4.7uF	20%	50V
C807	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C808	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C809	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C811	1-112-114-11	ELECT	22uF	20%	50V
C812	1-100-152-91	CERAMIC CHIP	100PF	5%	100V
C813	1-112-114-11	ELECT	22uF	20%	50V
C814	1-112-114-11	ELECT	22uF	20%	50V
C815	1-112-114-11	ELECT	22uF	20%	50V
C816	1-100-152-91	CERAMIC CHIP	100PF	5%	100V
C817	1-100-152-91	CERAMIC CHIP	100PF	5%	100V
C818	1-100-152-91	CERAMIC CHIP	100PF	5%	100V
C819	1-100-152-91	CERAMIC CHIP	100PF	5%	100V
C820	1-100-152-91	CERAMIC CHIP	100PF	5%	100V
C829	1-126-964-11	ELECT	10uF	20%	50V
C830	1-126-964-11	ELECT	10uF	20%	50V
C855	1-126-964-11	ELECT	10uF	20%	50V
C856	1-126-964-11	ELECT	10uF	20%	50V
C857	1-126-964-11	ELECT	10uF	20%	50V
C858	1-126-964-11	ELECT	10uF	20%	50V
C859	1-126-964-11	ELECT	10uF	20%	50V
C860	1-126-964-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
CN800	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
CN801	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
CN802	1-770-383-11	CONNECTOR, BOARD TO BOARD 14P			
CN803	1-770-410-11	CONNECTOR, BOARD TO BOARD 18P			
CN804	1-770-410-11	CONNECTOR, BOARD TO BOARD 18P			
CN805	1-779-277-11	CONNECTOR, FFC (LIF (NON-ZIF)) 9P			
		< IC >			
IC800	8-759-710-97	IC NJM4565M-D			
IC811	8-759-710-97	IC NJM4565M-D			
		< RESISTOR >			
R801	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R802	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R803	1-216-841-11	METAL CHIP	47K	5%	1/10W
R804	1-216-841-11	METAL CHIP	47K	5%	1/10W
R805	1-216-841-11	METAL CHIP	47K	5%	1/10W
R806	1-216-841-11	METAL CHIP	47K	5%	1/10W
R807	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R808	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R811	1-216-833-11	METAL CHIP	10K	5%	1/10W
R812	1-216-845-11	METAL CHIP	100K	5%	1/10W
R814	1-216-833-11	METAL CHIP	10K	5%	1/10W
R815	1-216-845-11	METAL CHIP	100K	5%	1/10W
R820	1-216-833-11	METAL CHIP	10K	5%	1/10W
R821	1-216-833-11	METAL CHIP	10K	5%	1/10W
R822	1-216-821-11	METAL CHIP	1K	5%	1/10W
R830	1-216-821-11	METAL CHIP	1K	5%	1/10W
R832	1-216-821-11	METAL CHIP	1K	5%	1/10W
R840	1-216-821-11	METAL CHIP	1K	5%	1/10W
R842	1-216-821-11	METAL CHIP	1K	5%	1/10W
R850	1-216-821-11	METAL CHIP	1K	5%	1/10W
R851	1-216-821-11	METAL CHIP	1K	5%	1/10W
R860	1-216-821-11	METAL CHIP	1K	5%	1/10W
**********					
	A-1617-874-A	DIGITAL BOARD, COMPLETE (US, CND)			
	A-1617-875-A	DIGITAL BOARD, COMPLETE (AEP, UK)			
		**********			
	3-087-053-01	+BVTP2.6 (3CR)			
		< CAPACITOR >			
C2000	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2002	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2003	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2004	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2005	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2006	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2007	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2008	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C2009	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2010	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2011	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2012	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2013	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2014	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2015	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2016	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2017	1-135-372-31	ELECT	470uF	20%	10V
C2018	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C2019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2021	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2023	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2024	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2025	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2026	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2027	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2028	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2031	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2032	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2034	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C2035	1-126-947-11	ELECT	47uF	20%	35V
C2038	1-164-733-11	CERAMIC CHIP	820PF	10%	50V (US, CND)
C2039	1-164-733-11	CERAMIC CHIP	820PF	10%	50V (US, CND)
C2040	1-112-089-11	ELECT	47uF	20%	25V (US, CND)
C2041	1-112-089-11	ELECT	47uF	20%	25V (US, CND)
C2042	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2043	1-126-964-11	ELECT	10uF	20%	50V
C2044	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2045	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2046	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2047	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2048	1-126-947-11	ELECT	47uF	20%	35V (US, CND)
C2048	1-112-089-11	ELECT	47uF	20%	25V (AEP, UK)
C2049	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2050	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2051	1-126-947-11	ELECT	47uF	20%	35V (US, CND)
C2051	1-112-089-11	ELECT	47uF	20%	25V (AEP, UK)
C2052	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2054	1-112-080-11	ELECT	470uF	20%	10V (AEP, UK)
C2054	1-126-925-91	ELECT	470uF	20%	10V (US, CND)
C2055	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2056	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2057	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2058	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C2059	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C2060	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2061	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2062	1-112-080-11	ELECT	470uF	20%	10V (AEP, UK)
C2062	1-126-925-91	ELECT	470uF	20%	10V (US, CND)
C2063	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2064	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2065	1-112-121-11	ELECT	100uF	20%	16V (AEP, UK)
C2065	1-126-933-11	ELECT	100uF	20%	16V (US, CND)
C2066	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C2067	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2068	1-112-121-11	ELECT	100uF	20%	16V (AEP, UK)
C2068	1-126-933-11	ELECT	100uF	20%	16V (US, CND)
C2069	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2070	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2071	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2072	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2073	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2074	1-112-080-11	ELECT	470uF	20%	10V (AEP, UK)
C2074	1-126-925-91	ELECT	470uF	20%	10V (US, CND)
C2075	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2076	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2077	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2078	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2079	1-112-083-11	ELECT	100uF	20%	16V (AEP, UK)
C2079	1-126-933-11	ELECT	100uF	20%	16V (US, CND)
C2080	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2081	1-112-121-11	ELECT	100uF	20%	16V (AEP, UK)
C2081	1-126-933-11	ELECT	100uF	20%	16V (US, CND)
C2082	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2083	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2084	1-126-947-11	ELECT	47uF	20%	35V (US, CND)
C2084	1-112-089-11	ELECT	47uF	20%	25V (AEP, UK)
C2085	1-112-114-11	ELECT	22uF	20%	50V (AEP, UK)
C2085	1-126-965-91	ELECT	22uF	20%	50V (US, CND)
C2086	1-112-121-11	ELECT	100uF	20%	16V (AEP, UK)
C2086	1-126-933-11	ELECT	100uF	20%	16V (US, CND)
C2087	1-112-080-11	ELECT	470uF	20%	10V (AEP, UK)
C2087	1-126-925-91	ELECT	470uF	20%	10V (US, CND)
C2088	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2089	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2092	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C2093	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C2094	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2095	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2096	1-112-080-11	ELECT	470uF	20%	10V (AEP, UK)

DIGITAL

Ref. No.	Part No.	Description			Remark
C2096	1-126-925-91	ELECT	470uF	20%	10V (US, CND)
C2098	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2099	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2100	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2102	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2103	1-165-722-11	ELECT	100uF	20%	10V
C2104	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2105	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2106	1-126-933-11	ELECT	100uF	20%	16V
C2107	1-126-933-11	ELECT	100uF	20%	16V
C2108	1-112-089-11	ELECT	47uF	20%	25V
C2109	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2111	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2112	1-126-965-91	ELECT	22uF	20%	50V
C2113	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2114	1-165-722-11	ELECT	100uF	20%	10V
C2115	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2116	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2117	1-112-100-11	ELECT	10uF	20%	50V (AEP, UK)
C2117	1-126-964-11	ELECT	10uF	20%	50V (US, CND)
C2118	1-112-100-11	ELECT	10uF	20%	50V (AEP, UK)
C2118	1-126-964-11	ELECT	10uF	20%	50V (US, CND)
C2119	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2120	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2121	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2122	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2123	1-112-121-11	ELECT	100uF	20%	16V (AEP, UK)
C2123	1-126-933-11	ELECT	100uF	20%	16V (US, CND)
C2124	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2125	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2126	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2127	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2128	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2129	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2130	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2131	1-126-960-11	ELECT	1uF	20%	50V
C2132	1-126-947-11	ELECT	47uF	20%	35V
C2133	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2134	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2139	1-112-089-11	ELECT	47uF	20%	25V
C2140	1-126-964-11	ELECT	10uF	20%	50V
C2141	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2142	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2143	1-126-964-11	ELECT	10uF	20%	50V
C2144	1-112-080-11	ELECT	470uF	20%	10V (AEP, UK)
C2144	1-126-925-91	ELECT	470uF	20%	10V (US, CND)
C2145	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2146	1-112-100-11	ELECT	10uF	20%	50V (AEP, UK)
C2146	1-126-964-11	ELECT	10uF	20%	50V (US, CND)
C2147	1-112-083-11	ELECT	100uF	20%	16V (AEP, UK)
C2147	1-126-933-11	ELECT	100uF	20%	16V (US, CND)
C2148	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2149	1-112-100-11	ELECT	10uF	20%	50V
C2150	1-112-100-11	ELECT	10uF	20%	50V
C2151	1-112-100-11	ELECT	10uF	20%	50V
C2152	1-112-100-11	ELECT	10uF	20%	50V
C2153	1-112-100-11	ELECT	10uF	20%	50V
C2154	1-112-100-11	ELECT	10uF	20%	50V
C2155	1-112-100-11	ELECT	10uF	20%	50V
C2156	1-112-100-11	ELECT	10uF	20%	50V
C2157	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V
C2158	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V
C2159	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V
C2160	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V
C2161	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V
C2162	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V
C2163	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V
C2164	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V
C2165	1-164-388-91	CERAMIC CHIP	270PF	5%	50V
C2166	1-164-388-91	CERAMIC CHIP	270PF	5%	50V
C2167	1-164-388-91	CERAMIC CHIP	270PF	5%	50V
C2168	1-164-388-91	CERAMIC CHIP	270PF	5%	50V
C2169	1-164-388-91	CERAMIC CHIP	270PF	5%	50V
C2170	1-164-388-91	CERAMIC CHIP	270PF	5%	50V
C2171	1-164-388-91	CERAMIC CHIP	270PF	5%	50V
C2172	1-164-388-91	CERAMIC CHIP	270PF	5%	50V
C2173	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2174	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2175	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2176	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2177	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2178	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2179	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2180	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2181	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C2182	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C2183	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C2184	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2185	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2186	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2187	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C2188	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2189	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2190	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2201	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2204	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2205	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2206	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2207	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2209	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2211	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2212	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2214	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C2215	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C2216	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C2217	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C2218	1-162-920-11	CERAMIC CHIP	27PF	5%	50V

Ref. No.	Part No.	Description	Remark
C2219	1-162-920-11	CERAMIC CHIP 27PF 5% 50V	
C2220	1-162-920-11	CERAMIC CHIP 27PF 5% 50V	
C2221	1-162-920-11	CERAMIC CHIP 27PF 5% 50V	
C2222	1-162-920-11	CERAMIC CHIP 27PF 5% 50V	
C2223	1-162-920-11	CERAMIC CHIP 27PF 5% 50V	
C2224	1-162-920-11	CERAMIC CHIP 27PF 5% 50V	
		< CONNECTOR >	
CN2000	1-784-926-11	PIN, CONNECTOR 11P	
CN2001	1-784-859-51	CONNECTOR, FFC (LIF (NON-ZIF)) 7P	
CN2002	1-568-830-11	CONNECTOR, FFC 11P (AEP, UK)	
CN2003	1-784-770-11	CONNECTOR, FFC 9P (US, CND)	
CN2004	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P	
CN2006	1-785-910-21	CONNECTOR, BOARD TO BOARD 50P	
CN2007	1-817-615-21	CONNECTOR, SQUARE TYPE (RECE) (DMPORT)	
* CN2008	1-564-510-11	PLUG, CONNECTOR 7P	
CN2009	1-820-116-41	CONNECTOR, FFC/FPC 17P	
CN2010	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P	
CN2011	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P	
CN2012	1-779-293-11	CONNECTOR, FFC (LIF (NON-ZIF)) 25P	
CN2013	1-821-182-11	SOCKET, DIN 8P (SIRIUS) (US, CND)	
* CN2014	1-564-507-11	PLUG, CONNECTOR 4P	
		< DIODE >	
D2000	6-501-817-01	DIODE MA2J1110GLS0	
D2001	6-501-817-01	DIODE MA2J1110GLS0	
D2002	6-501-817-01	DIODE MA2J1110GLS0	
D2004	8-719-060-48	DIODE RB751V-40TE-17	
D2005	6-501-817-01	DIODE MA2J1110GLS0	
D2007	6-501-817-01	DIODE MA2J1110GLS0	
D2008	6-501-817-01	DIODE MA2J1110GLS0	
D2009	6-501-817-01	DIODE MA2J1110GLS0	
D2010	6-501-817-01	DIODE MA2J1110GLS0	
D2013	8-719-049-09	DIODE 1SS367-T3SONY	
D2014	8-719-049-09	DIODE 1SS367-T3SONY	
D2015	8-719-049-09	DIODE 1SS367-T3SONY	
D2016	8-719-049-09	DIODE 1SS367-T3SONY	
D2017	8-719-049-09	DIODE 1SS367-T3SONY	
D2018	8-719-049-09	DIODE 1SS367-T3SONY	
		< FERRITE BEAD >	
FB2000	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2001	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2003	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2004	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2005	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2006	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2007	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2008	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2009	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2010	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2011	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2012	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2013	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2014	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2015	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2016	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB2017	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2018	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2019	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2020	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2021	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2022	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2023	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2024	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2025	1-469-139-21	FERRITE, EMI (SMD) (2012)	
		< IC >	
⚠ IC2000	6-708-742-01	IC MM1663DTRE	
⚠ IC2001	6-713-032-01	IC KIA7809API-U/PF	
IC2002	6-600-466-01	IC TORX147L (SONY)	(DIGITAL (ASSIGNABLE) OPTICAL SAT IN)
IC2003	6-600-466-01	IC TORX147L (SONY)	(DIGITAL (ASSIGNABLE) OPTICAL BD IN)
IC2004	6-600-466-01	IC TORX147L (SONY)	(DIGITAL (ASSIGNABLE) OPTICAL TV IN)
⚠ IC2005	6-712-613-01	IC SI-3010KM-TLS	
IC2006	6-713-642-01	IC LC89058W-E	
IC2007	8-759-524-48	IC TC74VHC393FT (EL)	
IC2008	8-759-524-10	IC TC74VHC157FT (EL)	
IC2009	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2010	6-705-337-01	IC TK11150CSCL-G	
IC2011	8-759-523-81	IC TC74VHC08FT (EL)	
IC2012	6-710-554-01	IC PCM1808PWR	
IC2013	8-759-082-61	IC TC4W53FU	
IC2015	8-759-096-87	IC TC7WU04FU (TE12R)	
⚠ IC2016	6-712-614-01	IC SI-3050KM-TLS	
⚠ IC2017	6-712-616-01	IC SI-3033KM-TLS	
IC2018	A-1671-171-A	IC MB91F467RAPMC-GE1 (for SERVICE)	
IC2019	8-759-058-62	IC TC7S08FU (TE85R)	
IC2020	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC2021	8-759-277-63	IC TC7W14FU (TE12R)	
IC2022	(Not supplied)	IC BR24S64F-WE2	
IC2023	6-707-870-01	IC TC74VHC157FT (EKJ)	
IC2024	6-711-874-01	IC WM8768GEDS/R	
IC2025	8-759-710-97	IC NJM4565M-D	
IC2026	8-759-710-97	IC NJM4565M-D	
IC2027	8-759-710-97	IC NJM4565M-D	
IC2028	8-759-710-97	IC NJM4565M-D	
IC2029	6-706-487-01	IC TC7SH08FU (T5RSOYJF) (US, CND)	
IC2030	6-706-478-01	IC TC7SET08FU (T5RSOJF) (US, CND)	
IC2031	6-706-478-01	IC TC7SET08FU (T5RSOJF) (US, CND)	
		< JACK >	
J2000	1-784-431-11	JACK, PIN 1P	(DIGITAL (ASSIGNABLE) COAXIAL DVD IN)
		< JUMPER RESISTOR >	
JR2000	1-211-950-11	SHORT CHIP 0	
JR2001	1-211-950-11	SHORT CHIP 0	
JR2002	1-211-950-11	SHORT CHIP 0	
JR2003	1-211-950-11	SHORT CHIP 0	
JR2004	1-211-950-11	SHORT CHIP 0	
JR2005	1-211-950-11	SHORT CHIP 0	
JR2006	1-211-950-11	SHORT CHIP 0	
JR2007	1-211-950-11	SHORT CHIP 0	
JR2008	1-211-950-11	SHORT CHIP 0	
JR2009	1-211-950-11	SHORT CHIP 0	
JR2010	1-216-296-11	SHORT CHIP 0	

Note: When IC2022 cannot exchange with single. When this part is damaged, exchange the entire mounted board.

DIGITAL

Ref. No.	Part No.	Description			Remark
		< COIL >			
L2000	1-469-555-21	INDUCTOR	10uH		
		< TRANSISTOR >			
Q2000	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q2001	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q2002	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF		
Q2003	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q2004	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q2005	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R2000	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2001	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2002	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (AEP, UK)
R2002	1-216-864-11	SHORT CHIP	0 (US, CND)		
R2003	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP, UK)
R2004	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2005	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2006	1-216-817-11	METAL CHIP	470	5%	1/10W
R2007	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2008	1-216-809-11	METAL CHIP	100	5%	1/10W
R2009	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2010	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2011	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2012	1-216-809-11	METAL CHIP	100	5%	1/10W
R2013	1-216-809-11	METAL CHIP	100	5%	1/10W
R2014	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2015	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2016	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2017	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2018	1-216-809-11	METAL CHIP	100	5%	1/10W
R2019	1-216-809-11	METAL CHIP	100	5%	1/10W
R2020	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2021	1-216-809-11	METAL CHIP	100	5%	1/10W
R2022	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2023	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2024	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2025	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2026	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2027	1-216-809-11	METAL CHIP	100	5%	1/10W
R2028	1-216-805-11	METAL CHIP	47	5%	1/10W
R2029	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2030	1-216-809-11	METAL CHIP	100	5%	1/10W
R2031	1-216-809-11	METAL CHIP	100	5%	1/10W
R2032	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2033	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2034	1-216-805-11	METAL CHIP	47	5%	1/10W
R2035	1-216-805-11	METAL CHIP	47	5%	1/10W
R2036	1-216-809-11	METAL CHIP	100	5%	1/10W
R2037	1-216-809-11	METAL CHIP	100	5%	1/10W
R2038	1-216-809-11	METAL CHIP	100	5%	1/10W
R2039	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2040	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2041	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2042	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2043	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2044	1-216-809-11	METAL CHIP	100	5%	1/10W
R2045	1-216-809-11	METAL CHIP	100	5%	1/10W
R2046	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R2047	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R2050	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2051	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2052	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R2053	1-216-809-11	METAL CHIP	100	5%	1/10W
R2054	1-216-809-11	METAL CHIP	100	5%	1/10W
R2055	1-216-809-11	METAL CHIP	100	5%	1/10W
R2056	1-216-809-11	METAL CHIP	100	5%	1/10W
R2057	1-216-809-11	METAL CHIP	100	5%	1/10W
R2058	1-216-809-11	METAL CHIP	100	5%	1/10W
R2059	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2060	1-208-550-41	RES-CHIP	470K	2%	1/10W
R2061	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2062	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2063	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2064	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2065	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2066	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2067	1-216-813-11	METAL CHIP	220	5%	1/10W
R2068	1-216-816-11	METAL CHIP	390	5%	1/10W
R2069	1-216-805-11	METAL CHIP	47	5%	1/10W
R2070	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R2071	1-216-816-11	METAL CHIP	390	5%	1/10W
R2072	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2073	1-216-809-11	METAL CHIP	100	5%	1/10W
R2074	1-216-809-11	METAL CHIP	100	5%	1/10W
R2075	1-216-805-11	METAL CHIP	47	5%	1/10W
R2076	1-216-805-11	METAL CHIP	47	5%	1/10W
R2077	1-216-805-11	METAL CHIP	47	5%	1/10W
R2078	1-216-805-11	METAL CHIP	47	5%	1/10W
R2079	1-216-811-11	METAL CHIP	150	5%	1/10W
R2080	1-216-809-11	METAL CHIP	100	5%	1/10W
R2081	1-216-815-11	METAL CHIP	330	5%	1/10W
R2082	1-216-816-11	METAL CHIP	390	5%	1/10W
R2083	1-216-809-11	METAL CHIP	100	5%	1/10W
R2084	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2085	1-216-809-11	METAL CHIP	100	5%	1/10W
R2087	1-216-809-11	METAL CHIP	100	5%	1/10W
R2088	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2089	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2090	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2091	1-216-815-11	METAL CHIP	330	5%	1/10W
R2092	1-216-815-11	METAL CHIP	330	5%	1/10W
R2093	1-216-815-11	METAL CHIP	330	5%	1/10W
R2094	1-216-815-11	METAL CHIP	330	5%	1/10W
R2095	1-216-797-11	METAL CHIP	10	5%	1/10W
R2096	1-216-815-11	METAL CHIP	330	5%	1/10W
R2097	1-216-817-11	METAL CHIP	470	5%	1/10W
R2098	1-216-815-11	METAL CHIP	330	5%	1/10W
R2100	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2101	1-216-809-11	METAL CHIP	100	5%	1/10W
R2102	1-216-809-11	METAL CHIP	100	5%	1/10W
R2103	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2104	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2105	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2106	1-216-805-11	METAL CHIP	47	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2107	1-216-809-11	METAL CHIP	100	5%	1/10W
R2108	1-216-864-11	SHORT CHIP	0		
R2109	1-216-864-11	SHORT CHIP	0		
R2110	1-216-809-11	METAL CHIP	100	5%	1/10W
R2111	1-216-809-11	METAL CHIP	100	5%	1/10W
R2112	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2113	1-216-864-11	SHORT CHIP	0		
R2114	1-216-809-11	METAL CHIP	100	5%	1/10W
R2115	1-216-864-11	SHORT CHIP	0		
R2116	1-216-809-11	METAL CHIP	100	5%	1/10W
R2117	1-216-864-11	SHORT CHIP	0		
R2118	1-216-864-11	SHORT CHIP	0		
R2119	1-216-864-11	SHORT CHIP	0		
R2124	1-216-809-11	METAL CHIP	100	5%	1/10W
R2125	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2126	1-216-809-11	METAL CHIP	100	5%	1/10W
R2127	1-216-809-11	METAL CHIP	100	5%	1/10W
R2128	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2131	1-216-805-11	METAL CHIP	47	5%	1/10W
R2132	1-216-809-11	METAL CHIP	100	5%	1/10W
R2134	1-216-801-11	METAL CHIP	22	5%	1/10W
R2135	1-216-801-11	METAL CHIP	22	5%	1/10W
R2136	1-216-801-11	METAL CHIP	22	5%	1/10W
R2137	1-216-809-11	METAL CHIP	100	5%	1/10W
R2138	1-216-809-11	METAL CHIP	100	5%	1/10W
R2139	1-216-864-11	SHORT CHIP	0		
R2140	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2141	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2142	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2143	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2144	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2145	1-216-685-11	METAL CHIP	27K	0.5%	1/10W
R2146	1-216-813-11	METAL CHIP	220	5%	1/10W
R2147	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2148	1-216-809-11	METAL CHIP	100	5%	1/10W
R2149	1-216-809-11	METAL CHIP	100	5%	1/10W
R2150	1-216-809-11	METAL CHIP	100	5%	1/10W
R2151	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2152	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2153	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2154	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2155	1-216-809-11	METAL CHIP	100	5%	1/10W
R2156	1-216-809-11	METAL CHIP	100	5%	1/10W
R2157	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2158	1-216-809-11	METAL CHIP	100	5%	1/10W
R2159	1-216-809-11	METAL CHIP	100	5%	1/10W
R2161	1-216-809-11	METAL CHIP	100	5%	1/10W
R2162	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R2163	1-216-809-11	METAL CHIP	100	5%	1/10W
R2164	1-216-809-11	METAL CHIP	100	5%	1/10W
R2165	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R2166	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R2167	1-216-809-11	METAL CHIP	100	5%	1/10W
R2168	1-216-809-11	METAL CHIP	100	5%	1/10W
R2172	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R2173	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R2174	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2175	1-216-809-11	METAL CHIP	100	5%	1/10W
R2176	1-216-809-11	METAL CHIP	100	5%	1/10W
R2178	1-216-809-11	METAL CHIP	100	5%	1/10W
R2179	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, UK)
R2180	1-216-809-11	METAL CHIP	100	5%	1/10W
R2181	1-216-809-11	METAL CHIP	100	5%	1/10W
R2182	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2183	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2184	1-216-809-11	METAL CHIP	100	5%	1/10W
R2185	1-216-809-11	METAL CHIP	100	5%	1/10W
R2186	1-216-809-11	METAL CHIP	100	5%	1/10W
R2187	1-216-864-11	SHORT CHIP	0		
R2188	1-216-864-11	SHORT CHIP	0		
R2189	1-216-864-11	SHORT CHIP	0		
R2190	1-216-809-11	METAL CHIP	100	5%	1/10W
R2193	1-216-803-11	METAL CHIP	33	5%	1/10W
R2194	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R2196	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2197	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2200	1-216-809-11	METAL CHIP	100	5%	1/10W
R2201	1-216-809-11	METAL CHIP	100	5%	1/10W
R2202	1-216-809-11	METAL CHIP	100	5%	1/10W
R2205	1-216-809-11	METAL CHIP	100	5%	1/10W
R2206	1-216-809-11	METAL CHIP	100	5%	1/10W
R2207	1-218-344-11	METAL CHIP	7.5K	5%	1/10W
R2208	1-218-344-11	METAL CHIP	7.5K	5%	1/10W
R2209	1-218-344-11	METAL CHIP	7.5K	5%	1/10W
R2210	1-218-344-11	METAL CHIP	7.5K	5%	1/10W
R2211	1-218-344-11	METAL CHIP	7.5K	5%	1/10W
R2212	1-218-344-11	METAL CHIP	7.5K	5%	1/10W
R2213	1-218-344-11	METAL CHIP	7.5K	5%	1/10W
R2214	1-218-344-11	METAL CHIP	7.5K	5%	1/10W
R2215	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2216	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2217	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2218	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2219	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2220	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2221	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2222	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2223	1-216-820-11	METAL CHIP	820	5%	1/10W
R2224	1-216-820-11	METAL CHIP	820	5%	1/10W
R2225	1-216-820-11	METAL CHIP	820	5%	1/10W
R2226	1-216-820-11	METAL CHIP	820	5%	1/10W
R2227	1-216-820-11	METAL CHIP	820	5%	1/10W
R2228	1-216-820-11	METAL CHIP	820	5%	1/10W
R2229	1-216-820-11	METAL CHIP	820	5%	1/10W
R2230	1-216-820-11	METAL CHIP	820	5%	1/10W
R2231	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2232	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2233	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2234	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2235	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2236	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2237	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2238	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2239	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2240	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2241	1-216-821-11	METAL CHIP	1K	5%	1/10W

DIGITAL **DISPLAY**

Ref. No.	Part No.	Description			Remark
R2242	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2243	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2244	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2245	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2246	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2247	1-216-809-11	METAL CHIP	100	5%	1/10W
R2248	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2249	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2250	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2251	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2252	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2258	1-216-864-11	SHORT CHIP	0		
R2259	1-216-809-11	METAL CHIP	100	5%	1/10W
R2260	1-216-809-11	METAL CHIP	100	5%	1/10W
R2261	1-216-809-11	METAL CHIP	100	5%	1/10W
R2262	1-216-809-11	METAL CHIP	100	5%	1/10W
R2277	1-216-809-11	METAL CHIP	100	5%	1/10W
R2278	1-216-809-11	METAL CHIP	100	5%	1/10W
R2279	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R2280	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R2287	1-216-801-11	METAL CHIP	22	5%	1/10W
R2288	1-216-801-11	METAL CHIP	22	5%	1/10W
R2289	1-216-801-11	METAL CHIP	22	5%	1/10W
R2290	1-216-801-11	METAL CHIP	22	5%	1/10W
R2291	1-216-813-11	METAL CHIP	220	5%	1/10W
R2292	1-216-809-11	METAL CHIP	100	5%	1/10W
R2293	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2307	1-216-864-11	SHORT CHIP	0		
R2308	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2309	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2310	1-216-864-11	SHORT CHIP	0		
		< COMPOSITION CIRCUIT BLOCK >			
RB2000	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2003	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2005	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2006	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2007	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2008	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2009	1-234-376-11	RES, NETWORK 2.2K (1005X4)			
RB2010	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2011	1-234-378-21	RES, NETWORK 10K (1005X4)			
RB2013	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2014	1-234-376-11	RES, NETWORK 2.2K (1005X4)			
RB2015	1-234-372-11	RES, NETWORK 100 (1005X4)			
		< VIBRATOR >			
X2000	1-781-646-21	VIBRATOR, CERAMIC (4MHz)			
X2001	1-814-270-21	QUARTS CRYSTAL (24.576MHz)			
**********					
	A-1617-850-A	DISPLAY BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C100	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C101	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C103	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C104	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V

Ref. No.	Part No.	Description			Remark
C105	1-126-786-11	ELECT	47uF	20%	16V
C106	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C110	1-119-943-91	ELECT	47uF	20%	50V
C111	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C112	1-119-943-91	ELECT	47uF	20%	50V
C113	1-114-910-91	FILM	0.0039uF	5%	250V
C120	1-128-126-11	ELECT	100uF	20%	25V
C122	1-126-796-11	ELECT	22uF	20%	50V
C131	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C132	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C133	1-126-786-11	ELECT	47uF	20%	16V
C134	1-126-795-11	ELECT	10uF	20%	50V
C138	1-115-871-11	ELECT	1uF	20%	50V
C139	1-126-514-11	ELECT	22uF	20%	16V
C140	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C141	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C142	1-126-514-11	ELECT	22uF	20%	16V
C144	1-115-871-11	ELECT	1uF	20%	50V
C145	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C146	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C150	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C151	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C152	1-164-733-11	CERAMIC CHIP	820PF	10%	50V
C153	1-164-733-11	CERAMIC CHIP	820PF	10%	50V
C154	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C155	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C157	1-126-795-11	ELECT	10uF	20%	50V
C158	1-126-795-11	ELECT	10uF	20%	50V
C172	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C174	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C175	1-126-795-11	ELECT	10uF	20%	50V
C176	1-126-786-11	ELECT	47uF	20%	16V
C177	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C180	1-126-786-11	ELECT	47uF	20%	16V
		< CONNECTOR >			
CNS101	1-779-277-11	CONNECTOR, FFC (LIF (NON-ZIF)) 9P			
CNS103	1-779-293-11	CONNECTOR, FFC (LIF (NON-ZIF)) 25P			
		< DIODE >			
D104	6-501-818-01	DIODE MA2J1130GLS0			
D105	6-501-818-01	DIODE MA2J1130GLS0			
D106	6-501-818-01	DIODE MA2J1130GLS0			
D107	6-501-818-01	DIODE MA2J1130GLS0			
D108	6-501-738-01	DIODE MAZ8062GMLS0			
D109	6-501-817-01	DIODE MA2J1110GLS0			
D110	6-501-817-01	DIODE MA2J1110GLS0			
D122	8-719-049-09	DIODE 1SS367-T3SONY			
		< FERRITE BEAD >			
FB101	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC101	6-600-349-31	IC NJL24H400A			
IC105	8-759-701-01	IC NJM2904M			
IC106	8-759-710-97	IC NJM4565M-D			
⚠ IC108	6-712-613-01	IC SI-3010KM-TLS			

Ref. No.	Part No.	Description			Remark
		< JACK >			
J101	1-822-453-11	SMALL TYPE JACK (3.5mm) (AUTO CAL MIC)			
J103	1-819-189-11	PIN JACK 3P (VIDEO 2 IN VIDEO/AUDIO)			
		< COIL >			
L701	1-421-967-11	COIL, CHOKE	100uH		
		< FLUORESCENT INDICATOR TUBE >			
ND101	1-483-067-11	VACUUM FLOURESCENT DISPLAYS			
		< TRANSISTOR >			
Q105	8-729-808-42	TRANSISTOR	2SD1624-T		
Q106	8-729-808-42	TRANSISTOR	2SD1624-T		
Q112	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
Q113	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q114	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R100	1-216-821-11	METAL CHIP	1K	5%	1/10W
R101	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R102	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R103	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R104	1-216-821-11	METAL CHIP	1K	5%	1/10W
R106	1-216-864-11	SHORT CHIP	0		
R107	1-216-821-11	METAL CHIP	1K	5%	1/10W
R108	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R109	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R110	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R111	1-216-838-11	METAL CHIP	27K	5%	1/10W
R112	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R113	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R116	1-216-809-11	METAL CHIP	100	5%	1/10W
R117	1-216-809-11	METAL CHIP	100	5%	1/10W
R118	1-216-809-11	METAL CHIP	100	5%	1/10W
R120	1-218-739-11	METAL CHIP	91K	0.5%	1/10W
R121	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R122	1-216-833-11	METAL CHIP	10K	5%	1/10W
R123	1-216-841-11	METAL CHIP	47K	5%	1/10W
R130	1-216-809-11	METAL CHIP	100	5%	1/10W
R131	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R132	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R133	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R134	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R135	1-216-841-11	METAL CHIP	47K	5%	1/10W
R136	1-216-821-11	METAL CHIP	1K	5%	1/10W
R137	1-216-841-11	METAL CHIP	47K	5%	1/10W
R139	1-216-833-11	METAL CHIP	10K	5%	1/10W
R140	1-216-841-11	METAL CHIP	47K	5%	1/10W
R141	1-216-842-11	METAL CHIP	56K	5%	1/10W
R142	1-218-866-11	METAL CHIP	6.2K	0.5%	1/10W
R143	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R144	1-216-821-11	METAL CHIP	1K	5%	1/10W
R145	1-216-845-11	METAL CHIP	100K	5%	1/10W
R146	1-216-845-11	METAL CHIP	100K	5%	1/10W
R147	1-216-833-11	METAL CHIP	10K	5%	1/10W
R149	1-216-833-11	METAL CHIP	10K	5%	1/10W
R150	1-218-285-11	METAL CHIP	75	5%	1/10W
R152	1-216-821-11	METAL CHIP	1K	5%	1/10W
R153	1-216-821-11	METAL CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R154	1-216-841-11	METAL CHIP	47K	5%	1/10W
R155	1-216-841-11	METAL CHIP	47K	5%	1/10W
R170	1-216-809-11	METAL CHIP	100	5%	1/10W
R171	1-216-809-11	METAL CHIP	100	5%	1/10W
R172	1-216-809-11	METAL CHIP	100	5%	1/10W
R173	1-216-809-11	METAL CHIP	100	5%	1/10W
R180	1-216-797-11	METAL CHIP	10	5%	1/10W
⚠ R198	1-249-387-91	CARBON	3.3	5%	1/4W F
⚠ R199	1-249-387-91	CARBON	3.3	5%	1/4W F
		< ROTARY ENCODER >			
RV101	1-418-817-21	ENCODER, ROTARY (INPUT SELECTOR)			
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)			
		< SWITCH >			
S100	1-771-410-21	SWITCH, TACTILE (2CH/A.DIRECT)			
S101	1-771-410-21	SWITCH, TACTILE (TUNING MODE)			
S102	1-771-410-21	SWITCH, TACTILE (DIMMER)			
S103	1-771-410-21	SWITCH, TACTILE (A.F.D.)			
S104	1-771-410-21	SWITCH, TACTILE (MOVIE)			
S105	1-771-410-21	SWITCH, TACTILE (MUSIC)			
S106	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
S107	1-771-410-21	SWITCH, TACTILE (INPUT MODE)			
S108	1-771-410-21	SWITCH, TACTILE (MEMORY/ENTER)			
S109	1-771-410-21	SWITCH, TACTILE (TUNING +)			
S110	1-771-410-21	SWITCH, TACTILE (MUTING)			
S111	1-771-410-21	SWITCH, TACTILE (– TUNING)			
		< TRANSFORMER >			
T101	1-445-015-11	TRANSFORMER, DC-DC CONVERTER			
		< LEAD >			
* TP102	1-690-880-31	LEAD (WITH CONNECTOR)			
**********					
	A-1732-547-A	DSP BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C5007	1-112-172-11	ELECT CHIP	100uF	20%	16V
C5088	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5091	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5094	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5095	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5117	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5120	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5126	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5132	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5139	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5140	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5144	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5150	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5155	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5162	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5163	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C5164	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C5165	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C5166	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C5168	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

DSP

Ref. No.	Part No.	Description			Remark
C5170	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5172	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5173	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5175	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5176	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5177	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5178	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5179	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5180	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5181	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5182	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5183	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5185	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5188	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5189	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C5193	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5195	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5196	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5197	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5198	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5199	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5200	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5201	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5202	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN5001	1-815-136-21	CONNECTOR, BOARD TO BOARD			
		< FERRITE BEAD >			
FB5003	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< FILTER/JUMPER RESISTOR >			
FL5006	1-400-874-11	FILTER, EMI REMOVAL (SMD)			
FL5009	1-400-874-11	FILTER, EMI REMOVAL (SMD)			
FL5010	1-400-874-11	FILTER, EMI REMOVAL (SMD)			
FL5011	1-216-864-11	SHORT CHIP	0		
FL5013	1-239-480-11	FILTER, EMI			
		< IC >			
IC5020	A-1732-596-A	IC SST25VF016B-50-4C-S2AF-T (for SERVICE)			
IC5021	(Not supplied)	IC D790E002BZDH300			
IC5022	6-711-832-01	IC M12L64322A-6TG			
IC5028	6-712-613-01	IC SI-3010KM-TLS			
		< RESISTOR >			
R5279	1-218-829-11	METAL CHIP	180	0.5%	1/10W
R5280	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5290	1-211-985-11	METAL CHIP	47	0.5%	1/10W
R5299	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5321	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5322	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5323	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5324	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5325	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5326	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5327	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5331	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5332	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5333	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5334	1-211-977-11	METAL CHIP	22	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R5335	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5336	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5337	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5341	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5346	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5347	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5348	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5349	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5350	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5355	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5357	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5358	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5359	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5368	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5369	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5373	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5375	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5376	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5377	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5378	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5384	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5385	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5386	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5387	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5391	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5392	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5393	1-216-864-11	SHORT CHIP	0		
R5394	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5397	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5399	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5402	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5403	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5404	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5405	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5406	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5407	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5408	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R5409	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5410	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5411	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5412	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5413	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5414	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R5415	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5416	1-218-837-11	METAL CHIP	390	0.5%	1/10W
		< COMPOSITION CIRCUIT BLOCK >			
RB009	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB010	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB011	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB012	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB013	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB014	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB015	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB016	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB019	1-234-373-21	RES, NETWORK 220 (1005X4)			
RB021	1-234-373-21	RES, NETWORK 220 (1005X4)			
RB022	1-234-373-21	RES, NETWORK 220 (1005X4)			
RB024	1-234-373-21	RES, NETWORK 220 (1005X4)			
RB025	1-234-373-21	RES, NETWORK 220 (1005X4)			
RB026	1-234-373-21	RES, NETWORK 220 (1005X4)			

Note: When IC5021 cannot exchange with single. When this part is damaged, exchange the entire mounted board.

Ref. No.	Part No.	Description			Remark
		< VIBRATOR >			
X002	1-813-868-21	VIBRATOR, CRYSTAL (25MHz)			
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🔒	A-1633-315-A	HDMI BOARD, COMPLETE (for SERVICE)			
		**********			
		< CAPACITOR >			
C3000	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3002	1-128-995-21	ELECT CHIP	100uF	20%	10V
C3003	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3004	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3005	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3006	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3506	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3507	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3508	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3509	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3510	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3511	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3513	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3515	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3516	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3517	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3518	1-112-071-11	ELECT CHIP	220uF	20%	6.3V
C3519	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3520	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3521	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3522	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3523	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3524	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3526	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3527	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3528	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3529	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3530	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3531	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3532	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3533	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3534	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3535	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3538	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3539	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3540	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3541	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3542	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3543	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C3544	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C3545	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3546	1-112-071-11	ELECT CHIP	220uF	20%	6.3V
C3547	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3548	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3549	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3550	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3551	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3552	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3553	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3554	1-112-071-11	ELECT CHIP	220uF	20%	6.3V
C3555	1-112-071-11	ELECT CHIP	220uF	20%	6.3V
C3556	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3557	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3558	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3559	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3560	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3561	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3562	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3563	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3564	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3565	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3566	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3567	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3568	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3569	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3570	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3571	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3572	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3573	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3576	1-128-995-21	ELECT CHIP	100uF	20%	10V
C3577	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3578	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3579	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3580	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3581	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3582	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3583	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3584	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3585	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3586	1-128-995-21	ELECT CHIP	100uF	20%	10V
C3587	1-128-995-21	ELECT CHIP	100uF	20%	10V
C3588	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3589	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3590	1-100-669-11	ELECT CHIP	100uF	20%	10V
C3591	1-100-669-11	ELECT CHIP	100uF	20%	10V
C3592	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3593	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3598	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3599	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3600	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3602	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3603	1-128-995-21	ELECT CHIP	100uF	20%	10V
C3604	1-128-995-21	ELECT CHIP	100uF	20%	10V
C3605	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3606	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3608	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3609	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3610	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3651	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
		< CONNECTOR >			
CN3001	1-784-859-51	CONNECTOR, FFC (LIF (NON-ZIF)) 7P			
CN3003	1-770-412-11	CONNECTOR, BOARD TO BOARD 6P			
CN3500	1-820-735-31	HDMI CONNECTOR (HDMI IN 4)			
CN3501	1-820-735-31	HDMI CONNECTOR (HDMI IN 3)			
CN3502	1-820-735-31	HDMI CONNECTOR (HDMI IN 2)			

HDMI

Ref. No.	Part No.	Description	Remark
CN3503	1-820-735-31	HDMI CONNECTOR (HDMI IN 1)	
CN3504	1-770-406-11	CONNECTOR, BOARD TO BOARD 10P	
CN3505	1-820-735-31	HDMI CONNECTOR (HDMI OUT)	
CN3507	1-779-993-11	PIN, CONNECTOR (PWB) 5P	
		< DIODE >	
D3000	8-719-049-09	DIODE 1SS367-T3SONY	
D3001	8-719-049-09	DIODE 1SS367-T3SONY	
D3500	6-501-817-01	DIODE MA2J1110GLS0	
D3501	6-501-817-01	DIODE MA2J1110GLS0	
D3511	8-719-073-81	DIODE EC21QS06-TE12L	
D3512	8-719-073-81	DIODE EC21QS06-TE12L	
		< EARTH TERMINAL >	
ET3501	1-780-318-11	TERMINAL, LUG	
ET3502	1-780-318-11	TERMINAL, LUG	
		< FERRITE BEAD >	
FB3000	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3500	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB3503	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3504	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB3505	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB3506	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB3507	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB3508	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB3509	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3510	1-414-813-11	FERRITE, EMI (SMD) (2012)	
		< COIL >	
* FL3500	1-813-880-11	COMMON MODE CHOKE COIL	
* FL3501	1-813-880-11	COMMON MODE CHOKE COIL	
* FL3502	1-813-880-11	COMMON MODE CHOKE COIL	
* FL3503	1-813-880-11	COMMON MODE CHOKE COIL	
		< IC >	
IC3000	A-1633-316-A	IC R5F3640DDFBR-128 (for SERVICE)	
IC3501	8-753-282-08	IC CXB1444R-T6	
IC3502	6-708-758-01	IC PCA9517DP.118	
IC3503	8-759-596-39	IC SN74LV4052APWR	
IC3504	8-759-596-39	IC SN74LV4052APWR	
IC3505	6-704-001-01	IC BR24L02F-WSE2	
IC3506	(Not supplied)	IC SII9135ACTU	
IC3507	8-759-524-50	IC TC74VHC541FT (EL)	
IC3508	(Not supplied)	IC SII9134CTU	
IC3509	6-705-337-01	IC TK11150CSCL-G	
IC3510	6-705-337-01	IC TK11150CSCL-G	
IC3511	6-708-913-01	IC TK73400AU3G0L-C	
IC3512	6-708-913-01	IC TK73400AU3G0L-C	
IC3513	8-759-679-36	IC TC7WT125FU (TE12R)	
		< COIL >	
L3500	1-469-525-91	INDUCTOR 10uH	
L3501	1-469-525-91	INDUCTOR 10uH	
L3502	1-469-525-91	INDUCTOR 10uH	
L3503	1-469-525-91	INDUCTOR 10uH	
L3504	1-469-525-91	INDUCTOR 10uH	
L3505	1-469-525-91	INDUCTOR 10uH	
L3506	1-469-525-91	INDUCTOR 10uH	

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q3500	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF		
Q3501	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF		
Q3505	8-729-027-46	TRANSISTOR	DTC114YKA-T146		
		< RESISTOR/FERRITE BEAD >			
R3001	1-216-805-11	METAL CHIP	47	5%	1/10W
R3002	1-216-809-11	METAL CHIP	100	5%	1/10W
R3003	1-216-864-11	SHORT CHIP	0		
R3004	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3005	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3006	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3008	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3009	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3010	1-216-805-11	METAL CHIP	47	5%	1/10W
R3011	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3012	1-216-805-11	METAL CHIP	47	5%	1/10W
R3013	1-216-801-11	METAL CHIP	22	5%	1/10W
R3014	1-216-801-11	METAL CHIP	22	5%	1/10W
R3015	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3016	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3018	1-216-805-11	METAL CHIP	47	5%	1/10W
R3020	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3021	1-216-805-11	METAL CHIP	47	5%	1/10W
R3023	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3024	1-216-805-11	METAL CHIP	47	5%	1/10W
R3025	1-216-805-11	METAL CHIP	47	5%	1/10W
R3026	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3027	1-216-805-11	METAL CHIP	47	5%	1/10W
R3028	1-216-864-11	SHORT CHIP	0		
R3029	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3030	1-216-805-11	METAL CHIP	47	5%	1/10W
R3031	1-216-805-11	METAL CHIP	47	5%	1/10W
R3032	1-216-805-11	METAL CHIP	47	5%	1/10W
R3033	1-216-805-11	METAL CHIP	47	5%	1/10W
R3034	1-216-805-11	METAL CHIP	47	5%	1/10W
R3035	1-216-805-11	METAL CHIP	47	5%	1/10W
R3036	1-216-805-11	METAL CHIP	47	5%	1/10W
R3037	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3038	1-216-805-11	METAL CHIP	47	5%	1/10W
R3066	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3501	1-216-864-11	SHORT CHIP	0		
R3503	1-216-864-11	SHORT CHIP	0		
R3505	1-216-864-11	SHORT CHIP	0		
R3508	1-216-864-11	SHORT CHIP	0		
R3509	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3510	1-216-805-11	METAL CHIP	47	5%	1/10W
R3511	1-216-805-11	METAL CHIP	47	5%	1/10W
R3512	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3514	1-216-805-11	METAL CHIP	47	5%	1/10W
R3515	1-216-805-11	METAL CHIP	47	5%	1/10W
R3517	1-216-805-11	METAL CHIP	47	5%	1/10W
R3518	1-216-805-11	METAL CHIP	47	5%	1/10W
R3520	1-216-805-11	METAL CHIP	47	5%	1/10W
R3521	1-216-805-11	METAL CHIP	47	5%	1/10W
R3522	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3523	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3524	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3525	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3526	1-216-833-11	METAL CHIP	10K	5%	1/10W

Note: When IC3506 and IC3508 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

Ref. No.	Part No.	Description			Remark
R3527	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3528	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3529	1-216-864-11	SHORT CHIP	0		
R3530	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3531	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3532	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3533	1-216-864-11	SHORT CHIP	0		
R3536	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3541	1-216-864-11	SHORT CHIP	0		
R3542	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3543	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3545	1-216-805-11	METAL CHIP	47	5%	1/10W
R3546	1-216-805-11	METAL CHIP	47	5%	1/10W
R3547	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3548	1-216-864-11	SHORT CHIP	0		
R3551	1-216-864-11	SHORT CHIP	0		
R3552	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
R3553	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3554	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3556	1-216-864-11	SHORT CHIP	0		
R3557	1-216-805-11	METAL CHIP	47	5%	1/10W
R3558	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3559	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3560	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3561	1-216-805-11	METAL CHIP	47	5%	1/10W
R3562	1-216-805-11	METAL CHIP	47	5%	1/10W
R3563	1-216-805-11	METAL CHIP	47	5%	1/10W
R3564	1-216-864-11	SHORT CHIP	0		
R3565	1-216-864-11	SHORT CHIP	0		
R3566	1-216-805-11	METAL CHIP	47	5%	1/10W
R3567	1-211-985-11	METAL CHIP	47	0.5%	1/10W
R3568	1-216-864-11	SHORT CHIP	0		
R3570	1-211-985-11	METAL CHIP	47	0.5%	1/10W
R3571	1-216-805-11	METAL CHIP	47	5%	1/10W
R3572	1-211-985-11	METAL CHIP	47	0.5%	1/10W
R3573	1-216-864-11	SHORT CHIP	0		
R3574	1-216-805-11	METAL CHIP	47	5%	1/10W
R3575	1-211-985-11	METAL CHIP	47	0.5%	1/10W
R3577	1-211-985-11	METAL CHIP	47	0.5%	1/10W
R3578	1-211-985-11	METAL CHIP	47	0.5%	1/10W
R3579	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3580	1-216-805-11	METAL CHIP	47	5%	1/10W
R3582	1-216-807-11	METAL CHIP	68	5%	1/10W
R3583	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3585	1-216-807-11	METAL CHIP	68	5%	1/10W
R3586	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3587	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3588	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3589	1-216-809-11	METAL CHIP	100	5%	1/10W
R3590	1-216-801-11	METAL CHIP	22	5%	1/10W
R3591	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3592	1-216-805-11	METAL CHIP	47	5%	1/10W
R3593	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3594	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3595	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3596	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3597	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3598	1-218-839-11	METAL CHIP	470	0.5%	1/10W
R3599	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3600	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R3602	1-216-864-11	SHORT CHIP	0		
R3603	1-216-864-11	SHORT CHIP	0		
R3604	1-216-864-11	SHORT CHIP	0		
R3605	1-216-864-11	SHORT CHIP	0		
R3606	1-216-805-11	METAL CHIP	47	5%	1/10W
R3607	1-216-805-11	METAL CHIP	47	5%	1/10W
R3608	1-216-805-11	METAL CHIP	47	5%	1/10W
R3609	1-216-805-11	METAL CHIP	47	5%	1/10W
R3610	1-216-805-11	METAL CHIP	47	5%	1/10W
R3611	1-216-805-11	METAL CHIP	47	5%	1/10W
R3612	1-216-805-11	METAL CHIP	47	5%	1/10W
R3613	1-216-805-11	METAL CHIP	47	5%	1/10W
R3621	1-216-864-11	SHORT CHIP	0		
R3622	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3623	1-216-809-11	METAL CHIP	100	5%	1/10W
R3624	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3625	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R3626	1-216-797-11	METAL CHIP	10	5%	1/10W
R3627	1-216-797-11	METAL CHIP	10	5%	1/10W
R3628	1-216-864-11	SHORT CHIP	0		
R3629	1-216-805-11	METAL CHIP	47	5%	1/10W
R3630	1-216-864-11	SHORT CHIP	0		
R3631	1-216-805-11	METAL CHIP	47	5%	1/10W
R3632	1-218-889-11	METAL CHIP	56K	0.5%	1/10W
R3633	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R3634	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3635	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R3636	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R3637	1-216-864-11	SHORT CHIP	0		
R3638	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3639	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3640	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3641	1-216-864-11	SHORT CHIP	0		
R3644	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3645	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3646	1-216-809-11	METAL CHIP	100	5%	1/10W
R3647	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3648	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3649	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3650	1-469-139-21	FERRITE, EMI (SMD) (2012)			
R3651	1-469-139-21	FERRITE, EMI (SMD) (2012)			
R3652	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3653	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3656	1-216-857-11	METAL CHIP	1M	5%	1/10W

< COMPOSITION CIRCUIT BLOCK >

RB3500	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB3501	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB3502	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB3503	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB3504	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB3505	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB3506	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB3507	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB3508	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB3509	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB3510	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB3511	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB3512	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB3513	1-234-371-21	RES, NETWORK 47 (1005X4)			

HDMI **HDMI CONN** **HP** **JOG** **MAIN**

Ref. No.	Part No.	Description			Remark
RB3514	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB3515	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB3516	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB3517	1-234-702-11	RES, NETWORK 68 (1005X4)			
		< VIBRATOR >			
X3000	1-795-244-11	VIBRATOR, CERAMIC (10MHz)			
X3500	1-813-570-21	VIBRATOR, CRYSTAL (28.322MHz)			
**********					
		HDMI CONN BOARD			
		**********			
		< CONNECTOR >			
CN882	1-770-381-11	CONNECTOR, BOARD TO BOARD 10P			
CN883	1-779-285-11	CONNECTOR, FFC (LIF (NON-ZIF)) 17P			
CN884	1-770-379-11	CONNECTOR, BOARD TO BOARD 6P			
**********					
		HP BOARD			
		*********			
		< CONNECTOR >			
* CNP300	1-564-507-11	PLUG, CONNECTOR 4P			
		< JACK >			
J300	1-822-554-21	JACK (PHONES)			
**********					
		JOG BOARD			
		**********			
		< CAPACITOR >			
C183	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C184	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
		< CONNECTOR >			
* CNP102	1-564-508-11	PLUG, CONNECTOR 5P			
		< RESISTOR >			
R181	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
		< ROTARY ENCODER >			
RV105	1-418-817-21	ENCODER, ROTARY (– TONE +)			
		< SWITCH >			
S112	1-771-410-21	SWITCH, TACTILE (SPEAKERS)			
S113	1-771-410-21	SWITCH, TACTILE (TONE MODE)			
S114	1-771-410-21	SWITCH, TACTILE (I/⏻)			
**********					
	A-1617-841-A	MAIN BOARD, COMPLETE (AEP, UK)			
	A-1617-842-A	MAIN BOARD, COMPLETE (US, CND)			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C401	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C402	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C403	1-126-943-11	ELECT	2200uF	20%	25V
C404	1-126-942-61	ELECT	1000uF	20%	25V
C406	1-137-958-91	MYLAR	0.22uF	5%	100V
C407	1-137-958-91	MYLAR	0.22uF	5%	100V
C408	1-109-932-15	ELECT (BLOCK)	10000uF	20%	71V
C409	1-109-932-15	ELECT (BLOCK)	10000uF	20%	71V
C412	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C413	1-112-084-11	ELECT	470uF	20%	16V
C414	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C415	1-112-084-11	ELECT	470uF	20%	16V
C441	1-112-100-11	ELECT	10uF	20%	50V
C502	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP, UK)
C503	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP, UK)
C504	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP, UK)
C505	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP, UK)
C506	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP, UK)
C507	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP, UK)
C508	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP, UK)
C521	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C522	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C523	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C524	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C525	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C526	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C527	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C528	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C529	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C530	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C531	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C532	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C533	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C534	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C535	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C536	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V (AEP, UK)
C537	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C538	1-126-963-11	ELECT	4.7uF	20%	50V
C539	1-126-963-11	ELECT	4.7uF	20%	50V
C540	1-126-963-11	ELECT	4.7uF	20%	50V
C541	1-126-963-11	ELECT	4.7uF	20%	50V
C551	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C552	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C553	1-112-089-11	ELECT	47uF	20%	25V
C554	1-112-089-11	ELECT	47uF	20%	25V

Ref. No.	Part No.	Description			Remark
C555	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C556	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C581	1-126-924-11	ELECT	330uF	20%	10V
C582	1-126-924-11	ELECT	330uF	20%	10V
C583	1-126-964-11	ELECT	10uF	20%	50V
C600	1-126-964-11	ELECT	10uF	20%	50V
C601	1-112-111-11	ELECT	100uF	20%	100V
C602	1-112-111-11	ELECT	100uF	20%	100V
C603	1-112-100-11	ELECT	10uF	20%	50V
C604	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C605	1-107-597-11	CERAMIC	22PF	5%	500V
C606	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C607	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C608	1-126-923-91	ELECT	220uF	20%	10V
C609	1-112-100-11	ELECT	10uF	20%	50V
C610	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C611	1-107-597-11	CERAMIC	22PF	5%	500V
C612	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C613	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C614	1-126-923-91	ELECT	220uF	20%	10V
C615	1-126-964-11	ELECT	10uF	20%	50V
C616	1-112-100-11	ELECT	10uF	20%	50V
C617	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C618	1-107-597-11	CERAMIC	22PF	5%	500V
C619	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C620	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C621	1-126-923-91	ELECT	220uF	20%	10V
C622	1-112-100-11	ELECT	10uF	20%	50V
C623	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C624	1-107-597-11	CERAMIC	22PF	5%	500V
C625	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C626	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C627	1-126-923-91	ELECT	220uF	20%	10V
C630	1-126-964-11	ELECT	10uF	20%	50V
C631	1-112-100-11	ELECT	10uF	20%	50V
C632	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C633	1-107-597-11	CERAMIC	22PF	5%	500V
C634	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C635	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C636	1-126-923-91	ELECT	220uF	20%	10V
C637	1-112-100-11	ELECT	10uF	20%	50V
C638	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C639	1-107-597-11	CERAMIC	22PF	5%	500V
C640	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C641	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C642	1-126-923-91	ELECT	220uF	20%	10V
C643	1-126-964-11	ELECT	10uF	20%	50V
C644	1-112-100-11	ELECT	10uF	20%	50V
C645	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C646	1-107-597-11	CERAMIC	22PF	5%	500V
C647	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C648	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C649	1-126-923-91	ELECT	220uF	20%	10V
C650	1-126-947-11	ELECT	47uF	20%	35V
C651	1-162-815-11	CERAMIC	47PF	5%	500V
C652	1-162-815-11	CERAMIC	47PF	5%	500V
C653	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C654	1-136-157-00	FILM	0.022uF	5%	50V
C655	1-126-947-11	ELECT	47uF	20%	35V
C656	1-162-815-11	CERAMIC	47PF	5%	500V

Ref. No.	Part No.	Description			Remark
C657	1-162-815-11	CERAMIC	47PF	5%	500V
C658	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C659	1-136-157-00	FILM	0.022uF	5%	50V
C660	1-126-947-11	ELECT	47uF	20%	35V
C661	1-162-815-11	CERAMIC	47PF	5%	500V
C662	1-162-815-11	CERAMIC	47PF	5%	500V
C663	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C664	1-136-157-00	FILM	0.022uF	5%	50V
C665	1-126-947-11	ELECT	47uF	20%	35V
C666	1-162-815-11	CERAMIC	47PF	5%	500V
C667	1-162-815-11	CERAMIC	47PF	5%	500V
C668	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C669	1-136-157-00	FILM	0.022uF	5%	50V
C670	1-126-947-11	ELECT	47uF	20%	35V
C671	1-162-815-11	CERAMIC	47PF	5%	500V
C672	1-162-815-11	CERAMIC	47PF	5%	500V
C673	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C674	1-136-157-00	FILM	0.022uF	5%	50V
C675	1-126-947-11	ELECT	47uF	20%	35V
C676	1-162-815-11	CERAMIC	47PF	5%	500V
C677	1-162-815-11	CERAMIC	47PF	5%	500V
C678	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C679	1-136-157-00	FILM	0.022uF	5%	50V
C680	1-126-947-11	ELECT	47uF	20%	35V
C681	1-162-815-11	CERAMIC	47PF	5%	500V
C682	1-162-815-11	CERAMIC	47PF	5%	500V
C683	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C684	1-136-157-00	FILM	0.022uF	5%	50V
C685	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C686	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C687	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C688	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C689	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C690	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C691	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C692	1-126-947-11	ELECT	47uF	20%	35V
C697	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C698	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C699	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C700	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V

< CONNECTOR >

* CN553	1-564-506-11	PLUG, CONNECTOR 3P	
CN554	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P	
CN555	1-770-385-11	CONNECTOR, BOARD TO BOARD 18P	
CN556	1-770-385-11	CONNECTOR, BOARD TO BOARD 18P	

< ENCAPSULATED COMPONENT >

⚠ CP600	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F
⚠ CP601	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F
⚠ CP602	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F
⚠ CP603	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F
⚠ CP604	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F
⚠ CP605	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F
⚠ CP606	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F

< DIODE >

⚠ D401	8-719-053-18	DIODE 1SR154-400TE-25
⚠ D402	8-719-053-18	DIODE 1SR154-400TE-25
⚠ D403	8-719-053-18	DIODE 1SR154-400TE-25

MAIN

Ref. No.	Part No.	Description	Remark
⚠ D404	8-719-053-18	DIODE 1SR154-400TE-25	
D406	6-501-817-01	DIODE MA2J1110GLS0	
⚠ D407	8-719-081-52	DIODE D5SBA20-4003	
⚠ D412	8-719-053-18	DIODE 1SR154-400TE-25	
D422	6-501-817-01	DIODE MA2J1110GLS0	
D423	6-501-817-01	DIODE MA2J1110GLS0	
D424	6-501-817-01	DIODE MA2J1110GLS0	
D425	6-501-817-01	DIODE MA2J1110GLS0	
D441	6-501-817-01	DIODE MA2J1110GLS0	
D451	6-501-817-01	DIODE MA2J1110GLS0	
D581	6-500-335-01	DIODE MC2838-T112-1	
D582	6-500-335-01	DIODE MC2838-T112-1	
D600	6-501-817-01	DIODE MA2J1110GLS0	
D601	6-501-817-01	DIODE MA2J1110GLS0	
D602	6-501-817-01	DIODE MA2J1110GLS0	
D603	6-501-817-01	DIODE MA2J1110GLS0	
D604	6-501-817-01	DIODE MA2J1110GLS0	
D605	6-501-817-01	DIODE MA2J1110GLS0	
D606	6-501-817-01	DIODE MA2J1110GLS0	
D607	6-501-817-01	DIODE MA2J1110GLS0	
D608	6-501-817-01	DIODE MA2J1110GLS0	
D609	6-501-817-01	DIODE MA2J1110GLS0	
D610	6-501-817-01	DIODE MA2J1110GLS0	
D611	6-501-817-01	DIODE MA2J1110GLS0	
D612	6-501-817-01	DIODE MA2J1110GLS0	
D613	6-501-817-01	DIODE MA2J1110GLS0	
D614	6-501-734-01	DIODE MAZ8056GMLS0	
		< FUSE >	
⚠ F401	1-523-084-11	FUSE (2A/250V)	
⚠ F402	1-523-084-11	FUSE (2A/250V)	
		< FUSE HOLDER >	
FH001	1-533-233-11	FUSE HOLDER	
FH002	1-533-233-11	FUSE HOLDER	
FH003	1-533-233-11	FUSE HOLDER	
FH004	1-533-233-11	FUSE HOLDER	
		< IC >	
⚠ IC412	6-712-294-01	IC KIA7807API-U/PF	
⚠ IC413	6-712-295-01	IC KIA7907PI	
IC551	6-711-760-01	IC BD3471KS2	
⚠ IC600	6-700-943-01	IC uPC2581V-S	
⚠ IC601	6-700-943-01	IC uPC2581V-S	
⚠ IC602	6-700-943-01	IC uPC2581V-S	
⚠ IC603	6-700-943-01	IC uPC2581V-S	
		< JACK >	
J521	1-774-411-11	JACK, PIN 6P (SA-CD/CD/CD-R IN/OUT, TV IN)	
J522	1-794-981-11	JACK, PIN 4P (SAT/BD AUDIO IN)	
J523	1-794-981-11	JACK, PIN 4P (VIDEO 1 AUDIO IN/OUT)	
J524	1-774-785-11	JACK, PIN 1P (SUBWOOFER AUDIO OUT)	
		< JUMPER RESISTOR >	
JR1	1-216-864-11	SHORT CHIP 0	
JR2	1-216-864-11	SHORT CHIP 0	
JR3	1-216-864-11	SHORT CHIP 0	
JR4	1-216-864-11	SHORT CHIP 0	
JR755	1-216-864-11	SHORT CHIP 0 (US, CND)	
JR756	1-216-864-11	SHORT CHIP 0 (US, CND)	
JR757	1-216-864-11	SHORT CHIP 0 (US, CND)	
JR758	1-216-864-11	SHORT CHIP 0 (US, CND)	
JR759	1-216-864-11	SHORT CHIP 0 (US, CND)	
JR760	1-216-864-11	SHORT CHIP 0 (US, CND)	
JR761	1-216-864-11	SHORT CHIP 0 (US, CND)	
		< COIL >	
L600	1-420-872-52	COIL, AIR-CORE	
L601	1-420-872-52	COIL, AIR-CORE	
L602	1-420-872-52	COIL, AIR-CORE	
L603	1-420-872-52	COIL, AIR-CORE	
L604	1-420-872-52	COIL, AIR-CORE	
L605	1-420-872-52	COIL, AIR-CORE	
L606	1-420-872-52	COIL, AIR-CORE	
		< TRANSISTOR >	
Q406	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q422	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q423	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q424	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q425	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q441	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q451	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q581	8-729-216-31	TRANSISTOR 2SA1163-G	
Q582	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q583	8-729-216-31	TRANSISTOR 2SA1163-G	
Q584	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q585	8-729-271-31	TRANSISTOR 2SC2713-G	
Q600	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q601	8-729-922-39	TRANSISTOR 2SD2144S-V	
Q602	8-729-216-31	TRANSISTOR 2SA1163-G	
Q603	8-729-216-31	TRANSISTOR 2SA1163-G	
Q604	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q605	8-729-922-39	TRANSISTOR 2SD2144S-V	
Q606	8-729-216-31	TRANSISTOR 2SA1163-G	
Q607	8-729-216-31	TRANSISTOR 2SA1163-G	
Q608	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q609	8-729-922-39	TRANSISTOR 2SD2144S-V	
Q610	8-729-216-31	TRANSISTOR 2SA1163-G	
Q611	8-729-216-31	TRANSISTOR 2SA1163-G	
Q612	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q613	8-729-922-39	TRANSISTOR 2SD2144S-V	
Q614	8-729-216-31	TRANSISTOR 2SA1163-G	
Q615	8-729-216-31	TRANSISTOR 2SA1163-G	
Q616	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q617	8-729-922-39	TRANSISTOR 2SD2144S-V	
Q618	8-729-216-31	TRANSISTOR 2SA1163-G	
Q619	8-729-216-31	TRANSISTOR 2SA1163-G	
Q620	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q621	8-729-922-39	TRANSISTOR 2SD2144S-V	
Q622	8-729-216-31	TRANSISTOR 2SA1163-G	
Q623	8-729-216-31	TRANSISTOR 2SA1163-G	
Q624	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q625	8-729-922-39	TRANSISTOR 2SD2144S-V	
Q626	8-729-216-31	TRANSISTOR 2SA1163-G	
Q627	8-729-216-31	TRANSISTOR 2SA1163-G	
		< RESISTOR >	
⚠ R406	1-249-399-91	CARBON 33 5% 1/4W F	

Ref. No.	Part No.	Description			Remark
R408	1-216-841-11	METAL CHIP	47K	5%	1/10W
R409	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R425	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠ R426	1-249-399-91	CARBON	33	5%	1/4W F
R428	1-216-841-11	METAL CHIP	47K	5%	1/10W
R429	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠ R430	1-249-399-91	CARBON	33	5%	1/4W F
R432	1-216-841-11	METAL CHIP	47K	5%	1/10W
R433	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠ R434	1-249-399-91	CARBON	33	5%	1/4W F
R436	1-216-841-11	METAL CHIP	47K	5%	1/10W
R437	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠ R438	1-249-399-91	CARBON	33	5%	1/4W F
R440	1-216-841-11	METAL CHIP	47K	5%	1/10W
R441	1-216-845-11	METAL CHIP	100K	5%	1/10W
R442	1-216-821-11	METAL CHIP	1K	5%	1/10W
R443	1-216-841-11	METAL CHIP	47K	5%	1/10W
R444	1-216-833-11	METAL CHIP	10K	5%	1/10W
R445	1-216-841-11	METAL CHIP	47K	5%	1/10W
⚠ R446	1-249-409-91	CARBON	220	5%	1/4W F
R451	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠ R453	1-249-401-91	CARBON	47	5%	1/4W F
R454	1-216-841-11	METAL CHIP	47K	5%	1/10W
⚠ R455	1-215-891-51	METAL OXIDE	680	5%	2W F
⚠ R456	1-215-891-51	METAL OXIDE	680	5%	2W F
⚠ R502	1-249-393-91	CARBON	10	5%	1/4W F (AEP, UK)
⚠ R503	1-249-393-91	CARBON	10	5%	1/4W F (AEP, UK)
⚠ R504	1-249-393-91	CARBON	10	5%	1/4W F (AEP, UK)
⚠ R505	1-249-393-91	CARBON	10	5%	1/4W F (AEP, UK)
⚠ R506	1-249-393-91	CARBON	10	5%	1/4W F (AEP, UK)
⚠ R507	1-249-393-91	CARBON	10	5%	1/4W F (AEP, UK)
⚠ R508	1-249-393-91	CARBON	10	5%	1/4W F (AEP, UK)
R521	1-216-821-11	METAL CHIP	1K	5%	1/10W
R522	1-216-821-11	METAL CHIP	1K	5%	1/10W
R523	1-216-821-11	METAL CHIP	1K	5%	1/10W
R524	1-216-821-11	METAL CHIP	1K	5%	1/10W
R525	1-216-821-11	METAL CHIP	1K	5%	1/10W
R526	1-216-821-11	METAL CHIP	1K	5%	1/10W
R527	1-216-821-11	METAL CHIP	1K	5%	1/10W
R530	1-216-821-11	METAL CHIP	1K	5%	1/10W
R531	1-216-821-11	METAL CHIP	1K	5%	1/10W
R532	1-216-821-11	METAL CHIP	1K	5%	1/10W
R533	1-216-821-11	METAL CHIP	1K	5%	1/10W
R534	1-216-821-11	METAL CHIP	1K	5%	1/10W
R535	1-216-821-11	METAL CHIP	1K	5%	1/10W
R536	1-216-821-11	METAL CHIP	1K	5%	1/10W
R551	1-216-821-11	METAL CHIP	1K	5%	1/10W
R552	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠ R553	1-249-385-91	CARBON	2.2	5%	1/4W F
⚠ R554	1-249-385-91	CARBON	2.2	5%	1/4W F
R581	1-218-292-11	METAL CHIP	20K	5%	1/10W
R582	1-216-840-11	METAL CHIP	39K	5%	1/10W
R583	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R584	1-216-840-11	METAL CHIP	39K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R585	1-216-833-11	METAL CHIP	10K	5%	1/10W
R586	1-216-821-11	METAL CHIP	1K	5%	1/10W
R600	1-216-843-11	METAL CHIP	68K	5%	1/10W
⚠ R601	1-215-857-51	METAL OXIDE	10	5%	1W F
⚠ R602	1-215-857-51	METAL OXIDE	10	5%	1W F
R603	1-247-758-11	CARBON	3.3K	5%	1/2W (AEP, UK)
R604	1-216-821-11	METAL CHIP	1K	5%	1/10W
R605	1-216-843-11	METAL CHIP	68K	5%	1/10W
R606	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R607	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R608	1-216-230-00	RES-CHIP	22K	2%	1/8W
R609	1-247-758-11	CARBON	3.3K	5%	1/2W (AEP, UK)
R610	1-216-821-11	METAL CHIP	1K	5%	1/10W
R611	1-216-843-11	METAL CHIP	68K	5%	1/10W
R612	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R613	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R614	1-216-230-00	RES-CHIP	22K	2%	1/8W
R615	1-247-758-11	CARBON	3.3K	5%	1/2W (AEP, UK)
R616	1-216-821-11	METAL CHIP	1K	5%	1/10W
R617	1-216-843-11	METAL CHIP	68K	5%	1/10W
R618	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R619	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R620	1-247-758-11	CARBON	3.3K	5%	1/2W (AEP, UK)
R621	1-216-821-11	METAL CHIP	1K	5%	1/10W
R622	1-216-843-11	METAL CHIP	68K	5%	1/10W
R623	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R624	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R625	1-216-230-00	RES-CHIP	22K	2%	1/8W
R626	1-247-758-11	CARBON	3.3K	5%	1/2W (AEP, UK)
R627	1-216-821-11	METAL CHIP	1K	5%	1/10W
R628	1-216-843-11	METAL CHIP	68K	5%	1/10W
R629	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R630	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R631	1-247-758-11	CARBON	3.3K	5%	1/2W (AEP, UK)
R632	1-216-821-11	METAL CHIP	1K	5%	1/10W
R633	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R634	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R635	1-216-230-00	RES-CHIP	22K	2%	1/8W
R636	1-247-758-11	CARBON	3.3K	5%	1/2W (AEP, UK)
R637	1-216-821-11	METAL CHIP	1K	5%	1/10W
R638	1-216-843-11	METAL CHIP	68K	5%	1/10W
R639	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R640	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R641	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R642	1-216-844-11	METAL CHIP	82K	5%	1/10W
R643	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠ R644	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R645	1-249-405-91	CARBON	100	5%	1/4W F
R646	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠ R647	1-240-855-91	CARBON	6.2K	5%	1/4W F
R648	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R649	1-216-835-11	METAL CHIP	15K	5%	1/10W
R650	1-216-843-11	METAL CHIP	68K	5%	1/10W
⚠ R651	1-249-389-91	CARBON	4.7	5%	1/4W F
⚠ R652	1-249-393-91	CARBON	10	5%	1/4W F

MAIN

Ref. No.	Part No.	Description			Remark
R653	1-216-841-11	METAL CHIP	47K	5%	1/10W
R654	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R655	1-216-844-11	METAL CHIP	82K	5%	1/10W
R656	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠ R657	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R658	1-249-405-91	CARBON	100	5%	1/4W F
R659	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠ R660	1-240-855-91	CARBON	6.2K	5%	1/4W F
R661	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R662	1-216-835-11	METAL CHIP	15K	5%	1/10W
R663	1-216-843-11	METAL CHIP	68K	5%	1/10W
⚠ R664	1-249-389-91	CARBON	4.7	5%	1/4W F
⚠ R665	1-249-393-91	CARBON	10	5%	1/4W F
R666	1-216-841-11	METAL CHIP	47K	5%	1/10W
R667	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R668	1-216-844-11	METAL CHIP	82K	5%	1/10W
R669	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠ R670	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R671	1-249-405-91	CARBON	100	5%	1/4W F
R672	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠ R673	1-240-855-91	CARBON	6.2K	5%	1/4W F
R674	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R675	1-216-835-11	METAL CHIP	15K	5%	1/10W
R676	1-216-843-11	METAL CHIP	68K	5%	1/10W
⚠ R677	1-249-389-91	CARBON	4.7	5%	1/4W F
⚠ R678	1-249-393-91	CARBON	10	5%	1/4W F
R679	1-216-841-11	METAL CHIP	47K	5%	1/10W
R680	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R681	1-216-844-11	METAL CHIP	82K	5%	1/10W
R682	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠ R683	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R684	1-249-405-91	CARBON	100	5%	1/4W F
R685	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠ R686	1-240-855-91	CARBON	6.2K	5%	1/4W F
R687	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R688	1-216-835-11	METAL CHIP	15K	5%	1/10W
R689	1-216-843-11	METAL CHIP	68K	5%	1/10W
⚠ R690	1-249-389-91	CARBON	4.7	5%	1/4W F
⚠ R691	1-249-393-91	CARBON	10	5%	1/4W F
R692	1-216-841-11	METAL CHIP	47K	5%	1/10W
R693	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R694	1-216-844-11	METAL CHIP	82K	5%	1/10W
R695	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠ R696	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R697	1-249-405-91	CARBON	100	5%	1/4W F
R698	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠ R699	1-240-855-91	CARBON	6.2K	5%	1/4W F
R700	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R701	1-216-835-11	METAL CHIP	15K	5%	1/10W
R702	1-216-843-11	METAL CHIP	68K	5%	1/10W
⚠ R703	1-249-389-91	CARBON	4.7	5%	1/4W F
⚠ R704	1-249-393-91	CARBON	10	5%	1/4W F
R705	1-216-841-11	METAL CHIP	47K	5%	1/10W
R706	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R707	1-216-844-11	METAL CHIP	82K	5%	1/10W
R708	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠ R709	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R710	1-249-405-91	CARBON	100	5%	1/4W F
R711	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠ R712	1-240-855-91	CARBON	6.2K	5%	1/4W F
R713	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R714	1-216-835-11	METAL CHIP	15K	5%	1/10W
R715	1-216-843-11	METAL CHIP	68K	5%	1/10W
⚠ R716	1-249-389-91	CARBON	4.7	5%	1/4W F
⚠ R717	1-249-393-91	CARBON	10	5%	1/4W F
R718	1-216-841-11	METAL CHIP	47K	5%	1/10W
R719	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R720	1-216-844-11	METAL CHIP	82K	5%	1/10W
R721	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠ R722	1-249-405-91	CARBON	100	5%	1/4W F
⚠ R723	1-249-405-91	CARBON	100	5%	1/4W F
R724	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠ R725	1-240-855-91	CARBON	6.2K	5%	1/4W F
R726	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R727	1-216-835-11	METAL CHIP	15K	5%	1/10W
R728	1-216-843-11	METAL CHIP	68K	5%	1/10W
⚠ R729	1-249-389-91	CARBON	4.7	5%	1/4W F
⚠ R730	1-249-393-91	CARBON	10	5%	1/4W F
R731	1-216-841-11	METAL CHIP	47K	5%	1/10W
R732	1-216-841-11	METAL CHIP	47K	5%	1/10W
R733	1-216-841-11	METAL CHIP	47K	5%	1/10W
R734	1-216-841-11	METAL CHIP	47K	5%	1/10W
R735	1-216-841-11	METAL CHIP	47K	5%	1/10W
R736	1-216-841-11	METAL CHIP	47K	5%	1/10W
R737	1-216-841-11	METAL CHIP	47K	5%	1/10W
R738	1-216-841-11	METAL CHIP	47K	5%	1/10W
R739	1-216-845-11	METAL CHIP	100K	5%	1/10W
R740	1-216-845-11	METAL CHIP	100K	5%	1/10W
R741	1-216-845-11	METAL CHIP	100K	5%	1/10W
R742	1-216-845-11	METAL CHIP	100K	5%	1/10W
R743	1-216-845-11	METAL CHIP	100K	5%	1/10W
R744	1-216-845-11	METAL CHIP	100K	5%	1/10W
R745	1-216-845-11	METAL CHIP	100K	5%	1/10W
R746	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R747	1-216-081-00	METAL CHIP	22K	5%	1/10W
R748	1-216-081-00	METAL CHIP	22K	5%	1/10W
R755	1-247-758-11	CARBON	3.3K	5%	1/2W (AEP, UK)
R756	1-247-758-11	CARBON	3.3K	5%	1/2W (AEP, UK)
R757	1-247-758-11	CARBON	3.3K	5%	1/2W (AEP, UK)
R758	1-247-758-11	CARBON	3.3K	5%	1/2W (AEP, UK)
R759	1-247-758-11	CARBON	3.3K	5%	1/2W (AEP, UK)
R760	1-247-758-11	CARBON	3.3K	5%	1/2W (AEP, UK)
R761	1-247-758-11	CARBON	3.3K	5%	1/2W (AEP, UK)
		< RELAY >			
⚠ RY406	1-755-593-11	RELAY			
⚠ RY422	1-515-921-11	RELAY (12V)			
⚠ RY423	1-515-921-11	RELAY (12V)			
⚠ RY424	1-515-921-11	RELAY (12V)			
⚠ RY425	1-515-921-11	RELAY (12V)			
RY441	1-755-267-11	RELAY			
⚠ RY451	1-515-921-11	RELAY (12V)			

Ref. No.	Part No.	Description			Remark
		< TERMINAL >			
TB500	1-780-364-11	TERMINAL BOARD (SP) (8P) (SPEAKERS FRONT A/SURROUND)			
TB502	1-780-214-11	TERMINAL BOARD (SP) (2P) (SPEAKERS SURROUND BACK/BI-AMP/FRONT B)			
TB503	1-780-215-11	TERMINAL BOARD (SP) (4P) (SPEAKERS CENTER/SURROUND BACK/BI-AMP/FRONT B)			
**********					
		S-AIR BOARD			
		**********			
		< CONNECTOR >			
CN861	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN862	1-821-744-11	CONNECTOR, CARD EDGE 30P (EZW-T100)			
		< RESISTOR >			
R862	1-216-864-11	SHORT CHIP	0		
R863	1-216-864-11	SHORT CHIP	0		
R866	1-216-833-11	METAL CHIP	10K	5%	1/10W
R867	1-216-833-11	METAL CHIP	10K	5%	1/10W
R868	1-216-833-11	METAL CHIP	10K	5%	1/10W
R869	1-216-864-11	SHORT CHIP	0		
R870	1-216-864-11	SHORT CHIP	0		
**********					
	A-1617-851-A	STANDBY DCDC BOARD, COMPLETE (US, CND)			
	A-1617-852-A	STANDBY DCDC BOARD, COMPLETE (AEP, UK)			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C900	1-126-941-11	ELECT	470uF	20%	25V
C901	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C911	1-126-942-61	ELECT	1000uF	20%	25V
C912	1-126-946-11	ELECT	6800uF	20%	25V
⚠ C913	1-137-958-91	MYLAR	0.22uF	5%	100V
⚠ C914	1-137-958-91	MYLAR	0.22uF	5%	100V
C915	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C916	1-126-947-11	ELECT	47uF	20%	35V
C918	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C919	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C920	1-126-964-11	ELECT	10uF	20%	50V
C921	1-126-943-11	ELECT	2200uF	20%	25V
C922	1-126-943-11	ELECT	2200uF	20%	25V
C923	1-136-165-00	FILM	0.1uF	5%	50V
C950	1-128-950-21	ELECT	1000uF	20%	16V
C951	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C952	1-128-959-21	ELECT	1000uF	20%	35V
C960	1-128-950-21	ELECT	1000uF	20%	16V
C961	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C962	1-128-959-21	ELECT	1000uF	20%	35V
		< CONNECTOR >			
* CN905	1-564-508-11	PLUG, CONNECTOR 5P			
* CNP901	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P			
CNP906	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CNP907	1-564-507-11	PLUG, CONNECTOR 4P			
		< DIODE >			
D900	6-500-522-31	DIODE 10EDB40-TB5			

Ref. No.	Part No.	Description				Remark
⚠ D901	8-719-053-18	DIODE 1SR154-400TE-25				
⚠ D902	8-719-053-18	DIODE 1SR154-400TE-25				
⚠ D903	8-719-053-18	DIODE 1SR154-400TE-25				
⚠ D904	8-719-053-18	DIODE 1SR154-400TE-25				
D905	6-500-335-01	DIODE MC2838-T112-1				
D907	6-501-817-01	DIODE MA2J1110GLS0				
⚠ D908	8-719-081-52	DIODE D5SBA20-4003				
D910	8-719-069-56	DIODE UDZSUSTE-176.2B				
⚠ D950	6-502-218-01	DIODE RB060M-30				
⚠ D960	6-501-361-01	DIODE RB051LA-40TR				
		< FUSE >				
⚠ F901	1-523-086-11	FUSE (3.15A/250V)				
⚠ F902	1-523-086-11	FUSE (3.15A/250V)				
		< FUSE HOLDER >				
FH900	1-533-233-11	FUSE HOLDER				
FH901	1-533-233-11	FUSE HOLDER				
		< IC >				
⚠ IC900	6-705-464-01	IC BA50BC0T				
⚠ IC901	6-713-032-01	IC KIA7809API-U/PF				
⚠ IC950	8-759-474-09	IC SI-8050S-LF1101				
⚠ IC960	8-759-659-28	IC SI-8033S				
		< COIL >				
L951	1-457-508-11	COIL, CHOKE	0.1mH			
L952	1-456-545-11	COIL, CHOKE	100uH			
L961	1-457-508-11	COIL, CHOKE	0.1mH			
L963	1-456-545-11	COIL, CHOKE	100uH			
		< TRANSISTOR >				
Q905	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
Q910	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
Q911	8-729-027-52	TRANSISTOR	DTC124EKA-T146			
Q912	8-729-140-97	TRANSISTOR	2SB734-34			
Q913	8-729-027-52	TRANSISTOR	DTC124EKA-T146			
		< RESISTOR >				
R903	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R904	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R905	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R910	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R912	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R913	1-259-179-31	CARBON	3.3K	5%	1/4W	
R914	1-216-833-11	METAL CHIP	10K	5%	1/10W	
⚠ R920	1-249-389-91	CARBON	4.7	5%	1/4W	F
R950	1-218-831-11	METAL CHIP	220	0.5%	1/10W	
R951	1-218-835-11	METAL CHIP	330	0.5%	1/10W	
R952	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	
R960	1-216-819-11	METAL CHIP	680	5%	1/10W	
R961	1-218-839-11	METAL CHIP	470	0.5%	1/10W	
R962	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
		< RELAY >				
⚠ RY900	1-755-541-11	RELAY				
		< TRANSFORMER >				
T910	1-445-518-11	POWER SOURCE TRANSFORMER (US, CND)				

STANDBY DCDC **THERMAL SENSOR** **THERMAL SENSOR2** **VIDEO**

Ref. No.	Part No.	Description			Remark
T911	1-445-519-11	POWER SOURCE TRANSFORMER (AEP, UK)			
		< THERMISTOR >			
TH921	1-804-046-11	THERMISTOR, POSITIVE (RXE030)			
**********					
		THERMAL SENSOR BOARD (CND, AEP, UK)			
		**********			
		< CAPACITOR >			
C1909	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1910	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1913	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
		< IC >			
IC1903	6-710-072-01	IC LM61CIZ/LFT2			
IC1905	6-710-072-01	IC LM61CIZ/LFT2			
		< JUMPER RESISTOR >			
R1928	1-216-864-11	SHORT CHIP	0		
**********					
		THERMAL SENSOR2 BOARD (US)			
		**********			
		< CAPACITOR >			
C1901	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1902	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< IC >			
IC1901	6-710-072-01	IC LM61CIZ/LFT2			
		< JUMPER RESISTOR >			
R1901	1-216-864-11	SHORT CHIP	0		
**********					
	A-1617-857-A	VIDEO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C200	1-126-947-11	ELECT	47uF	20%	35V
C201	1-100-385-91	CERAMIC CHIP	0.47uF		25V
C203	1-100-385-91	CERAMIC CHIP	0.47uF		25V
C204	1-126-947-11	ELECT	47uF	20%	35V
C205	1-126-964-11	ELECT	10uF	20%	50V
C206	1-126-964-11	ELECT	10uF	20%	50V
C207	1-126-964-11	ELECT	10uF	20%	50V
C208	1-126-964-11	ELECT	10uF	20%	50V
C209	1-126-964-11	ELECT	10uF	20%	50V
C210	1-126-964-11	ELECT	10uF	20%	50V
C211	1-126-964-11	ELECT	10uF	20%	50V
C212	1-126-964-11	ELECT	10uF	20%	50V
C213	1-126-964-11	ELECT	10uF	20%	50V
C214	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C216	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C218	1-126-964-11	ELECT	10uF	20%	50V
C219	1-126-964-11	ELECT	10uF	20%	50V
C220	1-126-964-11	ELECT	10uF	20%	50V
C222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C224	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C226	1-126-964-11	ELECT	10uF	20%	50V
C227	1-126-964-11	ELECT	10uF	20%	50V
C228	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN202	1-770-408-11	CONNECTOR, BOARD TO BOARD 14P			
		< DIODE >			
D210	6-501-817-01	DIODE MA2J1110GLS0			
D211	6-501-817-01	DIODE MA2J1110GLS0			
		< IC >			
⚠ IC201	6-711-998-01	IC KIA7905PI			
⚠ IC202	6-713-031-01	IC KIA7805API-U/PF			
IC210	6-704-199-01	IC NJM2595M-TE2			
IC220	6-706-767-01	IC NJM2586AM			
		< JACK >			
J200	1-815-043-11	JACK, PIN 2P (VIDEO 1 VIDEO IN, MONITOR VIDEO OUT)			
J201	1-794-978-11	JACK, PIN 3P (BD/SAT VIDEO IN, VIDEO 1 VIDEO OUT)			
J202	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO IN 1/IN 2/MONITOR OUT)			
J203	1-821-278-12	JACK 3P (COMPONENT VIDEO IN 3)			
		< RESISTOR >			
R200	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R201	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R202	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R203	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R204	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R205	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R206	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R207	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R208	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R209	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R210	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R211	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R212	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R213	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R220	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R221	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R222	1-211-990-11	METAL CHIP	75	0.5%	1/10W
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Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
57	1-828-654-11	WIRE (FLAT TYPE) (25 CORE)	
58	1-828-572-11	WIRE (FLAT TYPE) (9 CORE)	
103	1-500-386-11	FILTER, CLAMP (FERRITE CORE) (US, CND)	
⚠ 104	1-777-071-83	CORD, POWER (AEP, UK)	
⚠ 104	1-834-270-11	CORD, POWER (US, CND)	
106	1-693-728-31	TUNER (FM/AM) (US, CND)	
106	1-693-737-21	TUNER (FM/AM) (AEP, UK)	
107	1-500-082-61	CLAMP, SLEEVE FERRITE (AEP, UK)	
156	1-828-954-11	WIRE (FLAT TYPE) (9 CORE) (US, CND)	
156	1-828-964-11	WIRE (FLAT TYPE) (11 CORE) (AEP, UK)	
157	1-828-610-11	WIRE (FLAT TYPE) (11 CORE)	
⚠ F403	1-532-506-33	FUSE (T6.3AL/250V)	
⚠ F404	1-532-506-33	FUSE (T6.3AL/250V)	
⚠ F900	1-532-465-33	FUSE (T3.15AL/250V) (AEP, UK)	
⚠ F900	1-533-311-12	FUSE, GLASS TUBE (DIA. 5) (8A/125V) (US, CND)	
⚠ IC604	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
⚠ IC605	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
⚠ IC606	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
⚠ IC607	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
⚠ IC608	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
⚠ IC609	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
⚠ IC610	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
⚠ IC611	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
⚠ IC612	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
⚠ IC613	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
⚠ IC614	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
⚠ IC615	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
⚠ IC616	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
⚠ IC617	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
⚠ T901	1-445-651-11	POWER TRANSFORMER (US, CND)	
⚠ T901	1-445-652-11	POWER TRANSFORMER (AEP, UK)	
**********			
		ACCESSORIES	
		**********	
	1-501-374-12	ANTENNA, LOOP (AM loop antenna (aerial))	
	1-501-807-12	ANTENNA (FM) (FM wire antenna (aerial)) (AEP, UK)	
	1-542-774-11	MEASUREMENT MIC (MONO) (Optimizer microphone (ECM-AC2))	
⚠	1-770-019-71	ADAPTOR, CONVERSION PLUG 3P (UK)	
	1-793-184-23	CONNECTOR (F TYPE ADAPTOR) (FM wire antenna (aerial)) (US, CND)	
	4-131-723-11	INSTRUCTION MANUAL (ENGLISH) (US, CND)	
	4-131-723-21	INSTRUCTION MANUAL (FRENCH) (CND)	
	4-131-723-31	INSTRUCTION MANUAL (SPANISH) (US)	
	4-131-723-41	INSTRUCTION MANUAL (ENGLISH) (AEP, UK)	
	4-131-723-51	INSTRUCTION MANUAL (FRENCH) (AEP)	
	4-131-723-61	INSTRUCTION MANUAL (SPANISH) (AEP)	
	4-131-723-71	INSTRUCTION MANUAL (GERMAN, DUTCH, SWEDISH) (AEP)	
	4-131-723-81	INSTRUCTION MANUAL (ITALIAN, POLISH) (AEP)	
	4-131-724-11	INSTRUCTION MANUAL (DANISH, FINNISH) (AEP)	
	4-131-724-21	INSTRUCTION MANUAL (PORTUGUESE) (AEP)	
	4-131-724-31	INSTRUCTION MANUAL (RUSSIAN) (AEP)	
	4-141-409-11	INSTRUCTION MANUAL (GREEK) (AEP)	
	4-141-409-21	INSTRUCTION MANUAL (TURKISH) (AEP)	
	4-141-409-31	INSTRUCTION MANUAL (HUNGARIAN, CZECH) (AEP)	
	4-141-409-41	INSTRUCTION MANUAL (SLOVAKIAN) (AEP)	
	A-1709-792-A	RM-AAP043 (Remote commander) (US, CND)	
	A-1709-794-A	RM-AAP044 (Remote commander) (AEP, UK)	

Note: If wire (flat type) is replaced, install it after bending it in the same form as that before replacement.

REVISION HISTORY

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Ver.	Date	Description of Revision
1.0	2009.04	New